

# **Exhibit B**

**IN THE UNITED STATES DISTRICT COURT  
FOR THE SOUTHERN DISTRICT OF TEXAS**

MARY LALIBERTE, *et al.*,

Plaintiffs,

v.

QUANTA SERVICES, INC., *et al.*,

Defendants.

Case No: 4:22-cv-03290

**EXPERT REPORT OF RICHARD A. MARIN**

AUGUST 1, 2024

CONFIDENTIAL

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## I. ASSIGNMENT AND SCOPE

1. I, Richard A. Marin, Managing Director of SEDA Experts, LLC, (“SEDA”) have been retained by Miller Shah LLP, counsel for Mary Laliberte and Marie McKnight (collectively, “Plaintiffs”) on behalf of the Quanta Services, Inc. 401(k) Savings Plan (“Plan”) and a class of similarly situated participants and beneficiaries of the Plan. Plaintiffs bring this action (“Action”) under the Employee Retirement Income Security Act (“ERISA”), 29 U.S.C. § 1001, *et seq.*, against Defendants Quanta Services, Inc. (“Quanta”), the Board of Trustees of Quanta Services, Inc. (“Board”), the Quanta Services, Inc. 401(k) Savings Plan Committee (“Administrative Committee” or “Committee”), and Does No. 1-20, who are members of the Administrative Committee or the Board or other fiduciaries of the Plan and whose names are currently unknown (collectively, “Defendants”). The claim is for breach of their fiduciary duties under ERISA and related breaches of applicable law beginning six years prior to the date the Action was filed (*i.e.*, September 26, 2016) and continuing to the date of judgment, or such earlier date that the Court determines is appropriate and just (“Class Period”).

2. I have been asked to provide opinions in the form of an expert report (“Report”) and testimony. Specifically, I was asked to:

- a. Review and evaluate the Fidelity Freedom Funds (“Freedom Funds”), a suite of 14 target date funds<sup>1</sup> using metrics consistent with the Plan’s investment policy statement (“IPS”) and prevailing fiduciary investment principles.
- b. Develop an objective framework for defined contribution plan investment monitoring consistent with the Plan’s governing documents and applicable industry standards and apply this framework to the Plan for purposes of determining whether the retention of the Freedom Funds was inconsistent with this framework and unreasonable under the circumstances of the Plan.

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<sup>1</sup> See Fidelity Investments, Fidelity Funds - Class K Daily Pricing Returns - Asset Allocation, 2024, available at: [https://institutional.fidelity.com/app/fundList/print/FIIS\\_PP\\_SP34\\_DPL19.pdf?itemCode=FIIS\\_PP\\_SP34\\_DPL19&productLineId=19&currTab=dailypricing&shareClassId=&fundIdentifier=symb&assetClass=10&minimumInvestment=all&asOf=Month&salesCharge=AtNav&showSameDayPricing=false&portfolio=false&defaultSymbol=true&prevDay=false&navId=327](https://institutional.fidelity.com/app/fundList/print/FIIS_PP_SP34_DPL19.pdf?itemCode=FIIS_PP_SP34_DPL19&productLineId=19&currTab=dailypricing&shareClassId=&fundIdentifier=symb&assetClass=10&minimumInvestment=all&asOf=Month&salesCharge=AtNav&showSameDayPricing=false&portfolio=false&defaultSymbol=true&prevDay=false&navId=327).

- c. Develop an objective framework for the identification of a suitable alternative target date suite to the Freedom Funds and apply this framework to determine a putative replacement for the Freedom Funds as of the time when such funds would have been replaced pursuant to an objective and supportable investment monitoring framework.
- d. Review and evaluate the American Beacon Small Cap Value Fund Class R5 (“American Beacon Fund”)<sup>2</sup>, with Ticker AVFIX, and the DFA International Small Cap Value Fund Class I (“DFA Fund”), with Ticker DISVX, two single-strategy funds challenged by Plaintiff, as implemented in the Plan using metrics consistent with the Plan’s IPS and prevailing fiduciary investment principles.
- e. Develop an objective framework for defined contribution plan investment monitoring consistent with the Plan’s governing documents and applicable industry standards and apply this framework to the Plan for purposes of determining whether the retentions of the American Beacon Fund and DFA Fund, respectively, were inconsistent with this framework and unreasonable under the then-prevailing circumstances of the Plan; and
- f. Apply the objective framework for the identification of a suitable alternative investments referenced in paragraph 2.c above to the American Beacon Fund and DFA Fund to determine putative replacement investments for these funds as of the time when such funds would have been replaced pursuant to an objective and supportable investment monitoring framework.

3. SEDA is being compensated at a rate of \$1,000 per hour for my time. The total fees will depend only on the hours expended by me, and my team. As part of performing my analysis, I utilized a team of SEDA professionals who worked under my direction and supervision. Neither my compensation nor SEDA’s compensation is contingent on my findings or the outcome of this matter.

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<sup>2</sup> As of the beginning of the reference period, the Plan’s fiduciaries selected the Institutional share class of the American Beacon Fund. *See* QUANTA\_120867 at 911. In Q1 2020, the Institutional share class was converted to R5 class under the same ticker. *See* QUANTA\_004153 at 193.

4. This Report sets forth the independent opinions and conclusions I have reached and the basis for those opinions and conclusions using the information currently available to me. A list of documents, facts, and other data that I relied upon in forming my opinions and conclusions is attached as Appendix B. I reserve the right to supplement or revise my opinions and/or conclusions should any additional documents or other information be provided to me. I also reserve the right to use demonstrative exhibits that may assist in the explanation of my opinions and conclusions at the time of trial.

## **II. QUALIFICATIONS**

5. I am currently a Managing Director at SEDA, an expert witness consulting firm that provides independent advice, data analytics, and valuation services to law firms, corporations, government agencies, and regulatory bodies in the financial services industry. I am also a general partner in two alternative private equity investment funds.

6. I have more than 47 years of experience in the financial services industry. For over 23 years, I was an officer and/or member of the Management Committee of Bankers Trust Company (“Bankers Trust”), one of the largest global banks, as well as a major investment management institution for high-net-worth individuals, pension funds and other institutional investors. Bankers Trust was, at the time, a dominant provider of defined contribution administration services, including guaranteed investment contract and stable value products, collective investment funds, and passive management investment products.

7. I founded BT Futures, a subsidiary of Bankers Trust, which focused on futures and options and served many financial institutions and corporations. The subsidiary was instrumental in launching the Bankers Trust Derivatives Department and beginning the development of innovative financially engineered products such as derivatives and structured products, including an array of stable value products, which began the practice of risk parsing.

8. I also founded the Emerging Markets Department of Bankers Trust and was responsible for all buy- and sell-side activities in Latin America, Eastern Europe, Middle East, Africa and Southeast Asia. Building the deep-discount debt trading operation for Emerging Market Debt was a close cousin to the development of the high yield debt markets in the United

States and was instrumental in the evolution of debt and cash flow packaging. During that time, I also bought and ran the largest pension fund in Chile.

9. In the early 1990s, I was co-founder of and ran the Global Derivatives Department of Bankers Trust and initiated the Insurance Derivatives capability. That Insurance Derivatives unit owned or started seven insurance vehicles including two life insurance entities that were in the business of using and/or providing guaranteed investment contracts and stable value products. This took the full evolution of risk parsing to the highest levels of sophistication and laid the foundation for structured product creation.

10. From 1992 through 1993, I ran the Retirement Services Department, which was one of the world's largest asset managers for all trust, master trust, custody, and investment activities (including alternatives of all types) provided for global institutional investment clients and the individual participants therein. In this regard, I became very familiar with the frameworks and practices of large investors and process for assessing, selecting and managing large investment positions. I was responsible for all defined benefit ("DB") and defined contribution ("DC") pension plan processing, which totaled over \$350 billion in assets. During that time, Bankers Trust was the largest DC recordkeeping institution in the world, administering 70 of the largest DC plans in the United States, all of which offered guaranteed investment contracts or stable value products as well as mutual funds and other collective investment funds.

11. During my years at Bankers Trust, I served as the senior executive and Global Head of Private Banking for six years, during which time I was responsible for sourcing and managing various alternative investment products including a full array of hedge funds and private equity funds.

12. From 1993 through 1999, I served *ex officio* on the Fiduciary Committee of the Board of Directors and was the firm's designated Senior Fiduciary. This role made me the ultimate arbiter of all ERISA and high-net-worth wealth trust and fiduciary activities globally, generated from institutional pension clients, endowment and foundation clients, and private banking clients. This role solidified my familiarity with large investor perspectives and the full array of DB and DC offerings.

13. I was also Vice Chairman of BT Alex Brown and its Private Client Services unit, also a major investment manager of large investor funds, collective investment trusts, and mutual funds.

14. Starting in 1998, I ran all Investment Management for the firm including all forms of alternative investments (which includes mutual funds, collective investment funds, and passive or index funds), as well as Private Equity and Venture Capital funds.

15. From 1999 through 2000, I was the Chairman and Chief Executive Officer of Deutsche Asset Management Inc., a \$325 billion asset management business with extensive assets in passive, enhanced passive, and active investment management products (including mutual funds and collective investment funds), and alternative investment products, combining the asset management businesses of Bankers Trust, Alex Brown, Morgan Grenfell, and Deutsche Bank.

16. From 2003 through 2007, I was the Chairman and Chief Executive Officer of Bear Stearns Asset Management, a \$50 billion manager of investment management products that included a wide array of mutual funds, collective investment funds, and alternative asset products ranging from hedge funds to private equity funds. In that regard, I had direct responsibility for the launching and fundraising for over one hundred such funds.

17. I have been a direct investment manager (acting as Managing Partner and/or Chief Executive Officer) through several different alternative investment platforms: Beehive Ventures (a venture fund and incubator focusing on new media and financial services), Ironwood Global (a \$1.5 billion specialty hedge fund focused on defaulted mortgages and funded by a Blackstone subsidiary), and Africa Israel Investments (a United States subsidiary of the Israeli public company focused on distressed real estate investments). This experience gave me hands-on experience in the commercial real estate and commercial mortgage activities.

18. In addition to continuing as a Managing Partner of Beehive Ventures, I am also a General Partner, ex-member of the Investment Committee and ex-Chairman of Green Visor Capital (a FinTech-focused fund). Both are active private equity investment fund companies that have raised high net worth and institutional money in the global marketplace.



19. I was a Clinical Professor of Finance and member of the Faculty at the Cornell Johnson Graduate School of Management from 2007 through 2017. I taught a series of courses called The Alpha Series that focused on, among other topics, investment management practices (including the use of mutual funds, collective investment funds, guaranteed investment contracts, and stable value funds) and pension fund management practices in the context of overall investment risk budgets. The focus of the courses was on pension management and alternative assets of all types, including structured investment products and derivatives.

20. I have acted as an expert witness in litigation concerning individual investors, pension funds, private equity funds and hedge funds and the fiduciary obligations relating thereto. A list of my expert witness experience appears in my *curriculum vitae* attached as Appendix A.

21. I have Master of Business Administration (concentrating in finance) and Bachelor of Arts (concentrating in economics and government) degrees from Cornell University at Ithaca, New York. I am one of 16 members of the Cornell Johnson Graduate School of Management Hall of Honor (of over 15,000 graduates since 1946).

22. I have written several books, the most relevant of which is *Global Pension Crisis: Unfunded Liabilities and How We Can Fill the Gap*, Wiley & Sons 2013, and *Gulag 401(k): Tales of a Modern Prisoner*, Lulu Press 2017, which address a number of relevant pension issues in both the DB and DC arenas and the issues involved in this case.

23. My *curriculum vitae*, including a list of all publications that I authored in the last ten years and a list of all cases in which I testified as an expert at trial or by deposition in the last four years, is attached as Appendix A.

### **III. SUMMARY OF MY OPINIONS**

24. Based on the materials that I relied upon in connection with preparing this Report, as well as my knowledge and experience, I have formed the following opinions regarding the Action:

- a. Retention of the Freedom Funds was unreasonable under the circumstances of the Plan as early as the start of the Class Period in light of the funds' failure of well-

- established investment monitoring standards, such as return and risk-adjusted return relative to widely used benchmarks and peer investment comparisons, including those specified in the Plan's IPS.<sup>3</sup>
- b. Application of an objective investment monitoring and removal framework consistent with the Plan's IPS<sup>4</sup> would have resulted in the removal and replacement of the Freedom Funds in the Plan no later than the First Quarter of 2017.
  - c. Application of an objective framework for the identification of a suitable alternative target date suite to the Freedom Funds yielded the American Funds Target Date Retirement Fund Series R6 as the most suitable alternative suite of TDFs as of the First Quarter of 2017, when the Freedom Funds would have been replaced pursuant to the objective investment monitoring and removal framework identified above.
  - d. Retention of each of the American Beacon Fund and DFA Fund was independently unreasonable under the circumstances of the Plan in light of the funds' failure of well-established investment monitoring standards, such as return and risk-adjusted return relative to widely used benchmarks and peer investment comparisons, including those prescribed by the Plan's IPS.<sup>5</sup>
  - e. Application of an objective investment monitoring and removal framework consistent with the Plan's IPS<sup>6</sup> would have resulted in the removal and replacement of both the American Beacon Fund and DFA Fund in the Plan no later than the First Quarter of 2020.

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<sup>3</sup> See Investment Policy Statement for Quanta Services, Inc. 401(k) Savings Plan – October, 2015 prepared by Ascende, Inc., QUANTA\_001404 at 11-12, 21 (Appendix A). I understand that the Committee adopted updates to the IPS in 2020 and 2023; however, since the Freedom Funds, American Beacon Fund, and DFA Fund would have been removed pursuant to the analysis set forth herein before the IPS updates were adopted, any changes or updates to the IPS made in 2020 and 2023 do not impact my analysis or opinions. I further note that the record contains draft updates to the IPS from 2017 and 2019 which do not appear to have been finalized or formally adopted. However, I understand from counsel that the representative for the Plan's investment advisor, testifying on behalf of Quanta as its designated 30(b)(6) witness, attested that these drafts were operative. Accordingly, when the reference periods in my analysis overlap with an IPS draft I account for any material differences in its dictates in applying my framework.

<sup>4</sup> Ibid.

<sup>5</sup> Ibid.

<sup>6</sup> Ibid.

- f. Application of an objective framework for the identification of suitable alternative investments to the American Beacon Fund and DFA Fund, respectively, identified the Janus Henderson Small Cap Value N Fund as the most suitable alternative to the American Beacon Fund and the Schwab Fundamental International Small Cap Equity Index Fund as the most suitable alternative for the DFA Fund as of the time these incumbent funds would have been replaced pursuant to the objective monitoring and removal framework identified above.

#### IV. OPINIONS AND BASES FOR OPINIONS

##### **A. Retention of the Freedom Funds was unreasonable under the circumstances of the Plan as early as the start of the Class Period.**

25. The responsibilities of the Committee as detailed in the Plan's IPS include the selection and removal of investment funds, and the monitoring of each Plan fund's investment results based on periodic performance reviews using a stated set of criteria.<sup>7</sup> These criteria are both quantitative and qualitative. The enumerated qualitative criteria relate to the regulatory context and reputation of the investment manager, the degree of diversification, the scale of the fund (measured in assets under management), and its general usefulness to participants. The listed quantitative factors include long-term returns (specified as periods of at least 3 years), as well as various volatility and relative risk measurements (Alpha, Beta, R-squared, Sharpe Ratio and Standard Deviation). The IPS indicates that investment performance is to be measured against an "appropriate benchmark" based on the investment's objective, style and market capitalization, as well as the median returns of a peer group<sup>8</sup> for 1-, 3-, and 5-year review periods. The Committee's investment reviews are expected to be conducted quarterly.

26. The IPS sets forth Investment Watch List Process and calls for placement of an underperforming or otherwise concerning investment on watch (referred to initially as "Monitor"). That designation is intended to require a "thorough review and analysis of the investment option."<sup>9</sup> The criteria for an investment to receive this labeling include net performance falling below the median return of the appropriate peer group for three-, five-, or

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<sup>7</sup> Ibid.

<sup>8</sup> Ibid at 21.

<sup>9</sup> Ibid at 17.

ten-year periods, as well as metrics that track the value added by the manager via an Alpha falling below the peer group median, and an Information Ratio that is negative as measured on a three-, five-, or ten-year basis, as well as several other, more qualitative criteria.<sup>10</sup> After a period of time not to exceed four quarters, the IPS dictates an investment must either show meaningful improvement in the operative criteria of concern or it is to be placed on “Alert” status. Should the investment remain on “Alert” the following quarter without meaningful improvement it is to be terminated in the Plan array and replaced by an alternative.<sup>11</sup>

27. It should be noted that the 2015 IPS purports to include an Appendix B identifying “Performance evaluation categories and criteria” and that this Appendix of categories and criteria is to be updated and reviewed at least annually by the Committee.<sup>12</sup> However, without explanation in the record I have seen, this Appendix B is not included in version of the IPS adopted by the Committee.

28. Appendix A of the 2015 IPS indicates that the benchmark index for the target date fund asset class should be the respective S&P TDF Index (collectively, “S&P Indices”) that corresponds with a particular vintage of the Plan’s target date fund (here, the Freedom Funds).<sup>13</sup> For example, the S&P Target Date 2020 Index is the corresponding benchmark for the Fidelity Freedom 2020 Fund.

29. While the IPS contemplates review windows of one, three, and five years for certain standards and three, five and ten years for others, I use the three- and five-year time periods in my analysis. These two time horizons, which are generally sufficient for market

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<sup>10</sup> Ibid.

<sup>11</sup> This framework is consistent with my own experience and industry practice. See Sheldon M. Geller, *Prudent Management of 401(k) Plan Fund Selection*, 18 J. Compensation & Benefits (July/August 2002) (“Trustees should define responses to changes in a fund by designating the funds to a watch list or to terminate that fund as an option under the plan. The watch list may be based upon performance, three-year peer ranking below the medium for three consecutive quarters, three-year index under performance for three consecutive quarters, violating risk guidelines, style drift for three quarters or loss of key investment people.”); Robert D. Klausner, *State and Local Government Retirement Law: A Guide for Lawyers, Trustees, and Plan Administrators* § 17:15 (2017) (“If at any time, any of the following criteria are triggered, the Investment Manager shall be notified of the Board’s concerns or shall be terminated, in the discretion of the Board, in consultation with the Investment Performance Consultant: ... Four consecutive quarters of performance below the \_\_\_th percentile in performance rankings for the Investment Manager’s specified universe.”) (blank underscore in original).

<sup>12</sup> Ibid at 20.

<sup>13</sup> Ibid at 21.

fluctuations to balance out and permit a fair evaluation of investment managers, are expressly called for in the IPS for all evaluative metrics, are consistent with appropriate cyclical performance evaluation timeframes I have both seen used and applied throughout my career, and match the tenets of the investment alternative identification framework I have developed for this Report.

30. The investment advisor to the Plan at the start of the reference period was Ascende Wealth Advisers, Inc. (“Ascende”). The Plan maintained its engagement with the advisory team at Ascende through multiple acquisitions of the consulting group during the relevant period (first by EPIC Holdings, Inc. and later by Qualified Plan Advisors).<sup>14</sup> Ascende provided quarterly reports to the Committee. Ascende’s agreement with the Plan provided that if an investment failed to meet “the relevant criteria, QPA will advise [Quanta] and place that investment on a watch list for further discussion and direction from [Quanta]” and if the investment “fails to meet the criteria for a period of four consecutive calendar quarters (or such other period as may be specified in the IPS), QPA will engage with [Quanta] to provide due diligence sufficient for [Quanta] to identify an appropriate replacement or other action.”<sup>15</sup>

31. I have incorporated elements of the Plan’s IPS and data provided by Ascende in its quarterly reporting in concert with standards and criteria that are widely used in the retirement industry and which I have used throughout my career to construct an objective investment monitoring framework. My framework incorporates two primary prongs: a review of absolute performance and review of risk-adjusted performance, both on rolling three- and five-year bases. Each prong has two components: absolute returns are assessed relative to both the appropriate benchmark and the appropriate peer group and risk-adjusted returns are scrutinized via Alpha and Information Ratio. Returns versus the benchmark and Information Ratio evaluate an investment’s standing in its chosen market, while peer ranked returns and Alpha generation relative to the Alpha produced by the median peer fund compare an investment to similar strategies. Applying this framework, I have conducted an independent review and analysis of

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<sup>14</sup> For purposes of this Report, given the continuity of the representatives that served the Plan, I refer to Ascende when discussing the provision of data and information to the Committee by each of the three advisory entities.

<sup>15</sup> See QUANTA\_124130 at 31.

the most relevant benchmarking and peer review data for the Freedom Funds based on the following methodology:

- a. The analysis begins with the Q4 2015 Report, such that, at the beginning of the reference period in September 2016, the Committee would have the benefit of the Q4 2015, Q1 2016, and Q2 2016 reports to support any evaluation of the Freedom Funds and their continued appropriateness for inclusion in the Plan undertaken at the beginning of the reference period.<sup>16</sup>
- b. Review of the Freedom Funds' returns (both by vintage and in the aggregate) versus the S&P Indices such that, when more than half of the vintages with a sufficient performance history generated three- and/or five-year returns that failed to beat the relevant vintages of the S&P Indices, the suite is flagged and placed on watch for greater scrutiny.<sup>17</sup>
- c. Review of the Freedom Funds' Information Ratio by vintage such that, when more than half of the vintages with a sufficient performance history generated a negative three- and/or five-year Information Ratio, the suite is flagged and placed on watch for greater scrutiny. This quality (the Information Ratio bearing a negative sign) is recognized as a watch list standard in the IPS.<sup>18</sup>
- d. Review of the Freedom Funds' returns (both by vintage and in the aggregate) versus the suite's most appropriate Peer Group and review of its peer-relative Alpha. To more accurately depict an investible array of Target Date Funds ("TDFs") that would

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<sup>16</sup> It is noteworthy that, in Q4 2015, the Freedom Funds were placed on "To be discussed" status, having been on "Monitoring" for the previous four quarters. See QUANTA Quarterly Investment Review for Q4 2015, QUANTA\_100812 at 42. Per Ascende's Q4 2015 quarterly reporting, as shown in Table 1 below, the Freedom Funds underperformed their benchmark, the S&P Indices, for the five-year blended vintage average by more than twice that of the three-year blended vintage average, indicating that this had been a persistent underperformance problem for the Freedom Funds. Table 1 – Monitoring v. Benchmark (S&P Indices) Summary Q4 2015 – Blended Average of the Average Underperformance – 5-year Blended Average of (77bps) and 3-year Blended Average of (33 bps).

<sup>17</sup> This analysis was performed on both a weighted and unweighted basis, as is customary in the retirement industry and which I have performed throughout my career. Such weighting reflects the actual Plan asset levels in the various vintages of the Freedom Active TDFs at the time of the review. See Table 2.

<sup>18</sup> Investment Policy Statement, October 2015, QUANTA\_001404 at 17.

actually be under consideration for investment by the Plan, I have used the TDF peer set analyzed in the 2016 TDF Deep Dive presentation<sup>19</sup> produced by Ascende for the Committee, as this list of TDFs was accessible to the Committee.<sup>20</sup> When more than half of the vintages with a sufficient performance history generated three- and/or five-year returns that ranked in the lower half of their Peer Group (*i.e.*, the 50th percentile or lower), the suite is flagged and should be placed on watch for greater scrutiny. Similarly, when more than half the vintages generated an Alpha that failed to exceed the Alpha produced by the median peer TDF, the suite is flagged and should be placed on watch for greater scrutiny.

- e. Following a review period in which the Freedom Funds should have been placed on watch and subjected to greater scrutiny, I apply the same framework described above to review investment results over consecutive review periods, which is consistent with well-established fiduciary practices and supported under the IPS. For an investment placed on watch, after the fourth consecutive review period (five periods in total) in which it continues to breach the performance standards identified above, an underperforming investment is terminated and replaced in the Plan investment array. This framework assumes that regular reviews take place on a quarterly basis, as is customary in the retirement industry and which I have done throughout my career.

32. Based on my review of the quarterly reports provided to the Committee by Ascende, the Committee had regular access to the historical returns (MRQ, YTD, annual, three-year, five-year, and ten-year timeframes) of the Freedom Funds versus the S&P Indices over

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<sup>19</sup> See Fidelity Freedom Funds 2016 Target Date Deep Dive, 2017, QUANTA\_106738.

<sup>20</sup> The TDF marketplace is particularly top heavy, with a handful of major players managing the vast majority of TDF assets. Accordingly, institutional investors with substantial assets, like the Plan, would only consider, even just for purposes of comparative evaluation, a subset of TDFs, similar to the group assembled by Ascende, that represent realistic prospective investment options. As the intent of peer-relative analysis is to assess the paths not taken, while more broad peer groups encompassing each unique strategy within a particular asset class may be more appropriate for evaluating single-strategy investment products, given the TDF's frequent role as a plan's QDIA (defined below) and largest single investment, as well as its function as a multi-asset solution that represents many participants' entire retirement portfolios, institutional investors like the Plan do not consider TDFs with inadequate assets under management, tenure in the space, and reputation.

each of the identified trailing periods.<sup>21</sup> Table 1 below covers the last quarter of 2015 and the four quarters of 2016, and includes three- and five-year annualized returns for the Freedom Funds vintages in which the Plan invested, comprising all target years plus the retirement income vintage, and compares the Freedom Funds to the corresponding vintages of the S&P Indices (identified as the appropriate benchmark to represent the relevant TDF universe in the IPS).

**TABLE 1: Freedom Funds v. S&P Indices (Q4 2015–Q4 2016)<sup>22</sup>**

**Summary Q4 2015**

Periods (3- 5-years) with underperformance $\geq$ 50%	100%	
	3 Year	5 Year
Max Underperformance excluding retirement	(0.77)	(0.97)
Min Underperformance excluding retirement	0.25	(0.23)
Retirement Max Underperformance	(1.15)	(1.40)
Retirement Min Underperformance	0.25	(0.45)
Blended Average of the Average Underperformance	(0.33)	(0.77)

*As of 12/31/2015*

Vintages	3-Year Annualized Return in %			5-Year Annualized Return in %		
	Freedom Fund	S&P TDF Index	(Over/Under) Performance	Freedom Fund	S&P TDF Index	(Over/Under) Performance
Fidelity Freedom K Income	2.73	3.88	(1.15)	3.32	4.72	(1.40)
Fidelity Freedom K 2005	4.13	3.88	0.25	4.27	4.72	(0.45)
Fidelity Freedom K 2010	5.20	4.95	0.25	5.13	5.36	(0.23)
Fidelity Freedom K 2015	5.55	5.97	(0.42)	5.36	6.02	(0.66)
Fidelity Freedom K 2020	6.06	6.83	(0.77)	5.68	6.56	(0.88)
Fidelity Freedom K 2025	7.19	7.48	(0.29)	6.34	6.96	(0.62)
Fidelity Freedom K 2030	7.71	8.13	(0.42)	6.60	7.33	(0.73)
Fidelity Freedom K 2035	8.52	8.64	(0.12)	6.93	7.65	(0.72)
Fidelity Freedom K 2040	8.64	9.00	(0.36)	6.98	7.87	(0.89)
Fidelity Freedom K 2045	8.82	9.28	(0.46)	7.08	8.03	(0.95)
Fidelity Freedom K 2050	8.91	9.28	(0.37)	7.06	8.03	(0.97)
Fidelity Freedom K 2055	9.14	9.28	(0.14)	N.A.	8.03	N.A.
Fidelity Freedom K 2060	N.A.	9.28	N.A.	N.A.	8.03	N.A.
<b>% of Freedom Funds that Underperformed</b>			<b>83%</b>			<b>100%</b>

<sup>21</sup> See QUANTA Quarterly Investment Review for Q4 2015 (QUANTA\_100812), Q1 2016 (QUANTA\_120726), Q2 2016 (QUANTA\_120799), Q3 2016 (QUANTA\_120867), and Q4 2016 (QUANTA\_120935).

<sup>22</sup> See Appendix B for data sources for all tables.



**TABLE 1: Freedom Funds v. S&P Indices (Q4 2015–Q4 2016) (cont.)****Summary Q1 2016**

Periods (3- 5-years) with underperformance >= 50%	<b>100%</b>	
	<b>3 Year</b>	<b>5 Year</b>
Max Underperformance excluding retirement	(0.86)	(1.37)
Min Underperformance excluding retirement	(0.13)	(0.56)
Retirement Max Underperformance	(1.03)	(1.50)
Retirement Min Underperformance	(0.12)	(0.84)
Blended Average of the Average Underperformance	<b>(0.61)</b>	<b>(1.08)</b>

*As of 3/31/2016*

Vintages	3-Year Annualized Return in %			5-Year Annualized Return in %		
	Freedom Fund	S&P TDF Index	(Over/Under) Performance	Freedom Fund	S&P TDF Index	(Over/Under) Performance
Fidelity Freedom K Income	2.66	3.69	(1.03)	3.25	4.75	(1.50)
Fidelity Freedom K 2005	3.57	3.69	(0.12)	3.91	4.75	(0.84)
Fidelity Freedom K 2010	4.27	4.40	(0.13)	4.67	5.23	(0.56)
Fidelity Freedom K 2015	4.52	5.10	(0.58)	4.84	5.75	(0.91)
Fidelity Freedom K 2020	4.80	5.66	(0.86)	5.00	6.15	(1.15)
Fidelity Freedom K 2025	5.54	6.05	(0.51)	5.54	6.43	(0.89)
Fidelity Freedom K 2030	5.77	6.45	(0.68)	5.65	6.71	(1.06)
Fidelity Freedom K 2035	6.17	6.79	(0.62)	5.82	6.94	(1.12)
Fidelity Freedom K 2040	6.30	7.00	(0.70)	5.88	7.11	(1.23)
Fidelity Freedom K 2045	6.41	7.17	(0.76)	5.94	7.24	(1.30)
Fidelity Freedom K 2050	6.43	7.17	(0.74)	5.87	7.24	(1.37)
Fidelity Freedom K 2055	6.60	7.17	(0.57)	N.A.	7.24	N.A.
Fidelity Freedom K 2060	N.A.	7.17	N.A.	N.A.	7.24	N.A.
<b>% of Freedom Funds that Underperformed</b>			<b>100%</b>			<b>100%</b>

**Summary Q2 2016**

Periods (3- 5-years) with underperformance >= 50%	<b>100%</b>	
	<b>3 Year</b>	<b>5 Year</b>
Max Underperformance excluding retirement	(0.66)	(1.14)
Min Underperformance excluding retirement	(0.08)	(0.35)
Retirement Max Underperformance	(1.03)	(1.35)
Retirement Min Underperformance	(0.19)	(0.59)
Blended Average of the Average Underperformance	<b>(0.50)</b>	<b>(0.90)</b>

*As of 6/30/2016*

Vintages	3-Year Annualized Return in %			5-Year Annualized Return in %		
	Freedom Fund	S&P TDF Index	(Over/Under) Performance	Freedom Fund	S&P TDF Index	(Over/Under) Performance
Fidelity Freedom K Income	3.78	4.81	(1.03)	3.47	4.82	(1.35)
Fidelity Freedom K 2005	4.62	4.81	(0.19)	4.23	4.82	(0.59)
Fidelity Freedom K 2010	5.31	5.39	(0.08)	4.99	5.34	(0.35)
Fidelity Freedom K 2015	5.58	5.99	(0.41)	5.17	5.91	(0.74)
Fidelity Freedom K 2020	5.84	6.46	(0.62)	5.39	6.36	(0.97)
Fidelity Freedom K 2025	6.44	6.75	(0.31)	5.97	6.67	(0.70)
Fidelity Freedom K 2030	6.59	7.06	(0.47)	6.08	6.98	(0.90)
Fidelity Freedom K 2035	6.85	7.34	(0.49)	6.32	7.24	(0.92)
Fidelity Freedom K 2040	6.90	7.52	(0.62)	6.36	7.42	(1.06)
Fidelity Freedom K 2045	6.99	7.65	(0.66)	6.46	7.56	(1.10)
Fidelity Freedom K 2050	7.03	7.65	(0.62)	6.42	7.56	(1.14)
Fidelity Freedom K 2055	7.16	7.65	(0.49)	6.53	7.56	(1.03)
Fidelity Freedom K 2060	N.A.	7.65	N.A.	N.A.	7.56	N.A.
<b>% of Freedom Funds that Underperformed</b>			<b>100%</b>			<b>100%</b>

**TABLE 1: Freedom Funds v. S&P Indices (Q4 2015–Q4 2016) (cont.)****Summary Q3 2016**Periods (3- 5-years) with underperformance  $\geq$  50%

	<b>100%</b>	
	<b>3 Year</b>	<b>5 Year</b>
Max Underperformance excluding retirement	(0.20)	(0.79)
Min Underperformance excluding retirement	0.09	0.42
Retirement Max Underperformance	(0.71)	(1.31)
Retirement Min Underperformance	0.04	0.42
Blended Average of the Average Underperformance	<b>(0.12)</b>	<b>(0.46)</b>

*As of 9/30/2016*

<b>Vintages</b>	<b>3-Year Annualized Return in %</b>			<b>5-Year Annualized Return in %</b>		
	Freedom Fund	S&P TDF Index	(Over/Under) Performance	Freedom Fund	S&P TDF Index	(Over/Under) Performance
Fidelity Freedom K Income	3.82	4.53	(0.71)	4.62	5.93	(1.31)
Fidelity Freedom K 2005	4.57	4.53	0.04	6.35	5.93	0.42
Fidelity Freedom K 2010	5.09	5.00	0.09	7.58	7.16	0.42
Fidelity Freedom K 2015	5.44	5.51	(0.07)	7.91	8.34	(0.43)
Fidelity Freedom K 2020	5.69	5.89	(0.20)	8.60	9.32	(0.72)
Fidelity Freedom K 2025	6.10	6.11	(0.01)	9.73	10.10	(0.37)
Fidelity Freedom K 2030	6.45	6.36	0.09	10.22	10.85	(0.63)
Fidelity Freedom K 2035	6.56	6.59	(0.03)	11.02	11.41	(0.39)
Fidelity Freedom K 2040	6.60	6.73	(0.13)	11.14	11.83	(0.69)
Fidelity Freedom K 2045	6.63	6.83	(0.20)	11.36	12.15	(0.79)
Fidelity Freedom K 2050	6.65	6.83	(0.18)	11.51	12.15	(0.64)
Fidelity Freedom K 2055	6.70	6.83	(0.13)	11.72	12.15	(0.43)
Fidelity Freedom K 2060	N.A.	6.83	N.A.	N.A.	12.15	N.A.
<b>% of Freedom Funds that Underperformed</b>			<b>75%</b>			<b>83%</b>

**Summary Q4 2016**Periods (3- 5-years) with underperformance  $\geq$  50%

	<b>100%</b>	
	<b>3 Year</b>	<b>5 Year</b>
Max Underperformance excluding retirement	(0.38)	(0.81)
Min Underperformance excluding retirement	(0.06)	0.51
Retirement Max Underperformance	(0.54)	(0.99)
Retirement Min Underperformance	(0.05)	0.48
Blended Average of the Average Underperformance	<b>(0.25)</b>	<b>(0.32)</b>

*As of 12/31/2016*

<b>Vintages</b>	<b>3-Year Annualized Return in %</b>			<b>5-Year Annualized Return in %</b>		
	Freedom Fund	S&P TDF Index	(Over/Under) Performance	Freedom Fund	S&P TDF Index	(Over/Under) Performance
Fidelity Freedom K Income	2.92	3.46	(0.54)	3.93	4.92	(0.99)
Fidelity Freedom K 2005	3.41	3.46	(0.05)	5.40	4.92	0.48
Fidelity Freedom K 2010	3.72	3.78	(0.06)	6.52	6.01	0.51
Fidelity Freedom K 2015	3.99	4.18	(0.19)	6.89	7.05	(0.16)
Fidelity Freedom K 2020	4.17	4.44	(0.27)	7.46	7.93	(0.47)
Fidelity Freedom K 2025	4.34	4.58	(0.24)	8.46	8.64	(0.18)
Fidelity Freedom K 2030	4.60	4.76	(0.16)	8.98	9.32	(0.34)
Fidelity Freedom K 2035	4.76	4.92	(0.16)	9.75	9.87	(0.12)
Fidelity Freedom K 2040	4.76	5.03	(0.27)	9.82	10.27	(0.45)
Fidelity Freedom K 2045	4.78	5.10	(0.32)	10.02	10.59	(0.57)
Fidelity Freedom K 2050	4.78	5.16	(0.38)	10.10	10.88	(0.78)
Fidelity Freedom K 2055	4.82	5.19	(0.37)	10.29	11.10	(0.81)
Fidelity Freedom K 2060	N.A.	5.19	N.A.	N.A.	11.10	N.A.
<b>% of Freedom Funds that Underperformed</b>			<b>100%</b>			<b>83%</b>

**Monitoring Summary Q4 2015-Q4 2016**

Max Underperformance excluding retirement	(1.37)
Min Underperformance excluding retirement	0.51
Retirement Max Underperformance	(1.50)
Retirement Min Underperformance	0.48
Blended Average of the Average Underperformance	<b>(0.54)</b>
Contemporaneous Underperformance	<b>100%</b>

33. In all five quarters, both three- and five-year time horizons showed meaningful underperformance. For all review periods, more than half the vintages underperformed the benchmark (and often every single vintage). The maximum underperformance excluding Retirement vintages (Income and 2005)<sup>23</sup> was 137 basis points and the blended average underperformance was 54 bps.

34. This is highly consistent with what Ascende reported to the Committee in Q4 2016, when their Performance Table showed 22 of 26 vintage reports (13 of three-year and five-year each) in the “Underperform” status.<sup>24</sup>

35. Aggregating the returns displayed above for both the Freedom Funds and the S&P Indices, as illustrated in Table 2 below, on both a Plan asset-weighted and unweighted basis, further demonstrates the Freedom Funds’ underperformance. Analysis of aggregated suite-level returns is a common practice in the retirement industry and provides another lens with which to measure historical outcomes achieved by a full TDF product.<sup>25</sup> As retirement plan fiduciaries select TDFs as a single suite, and do not have the ability to offer individual vintages to participants in the Plan investment array, suite-level evaluation is an essential component of any objective framework for plan investment monitoring.

36. On an unweighted basis, the aggregate three- and five-year returns of the Freedom Funds underperformed the S&P Indices during the monitoring period by a range of 19 to 124 basis points, for a simple average of 45 and 88 basis points of underperformance, respectively, in the aggregate three- and five-year returns.

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<sup>23</sup> The Income and 2005 vintages are monitored against the Retirement Income benchmark, *see* Quarterly Reports, e.g., QUANTA\_100812 at 839.

<sup>24</sup> *See* QUANTA\_120935 at 63.

<sup>25</sup> In the retirement investment industry, the collection of all individual vintages within a TDF is generally called a “suite.”

**TABLE 2: Freedom Funds v. S&P Indices (Q4 2015–Q4 2016)**  
**Unweighted and Weighted Analysis**

**Unweighted Annualized Returns - Freedom Funds vs S&P TDF Indices**

<b>3Y Returns in %</b>				<b>5Y Returns in %</b>			
Freedom Funds	S&P TDF Indices	Performance		Freedom Funds	S&P TDF Indices	Performance	Avg 3y and 5y Performance
4Q15	6.88	7.38	<b>(0.49)</b>	5.89	6.87	<b>(0.98)</b>	<b>(0.74)</b>
1Q16	5.25	5.96	<b>(0.71)</b>	5.12	6.37	<b>(1.24)</b>	<b>(0.98)</b>
2Q16	6.09	6.67	<b>(0.58)</b>	5.62	6.60	<b>(0.98)</b>	<b>(0.78)</b>
3Q16	5.86	6.04	<b>(0.19)</b>	9.31	9.96	<b>(0.65)</b>	<b>(0.42)</b>
4Q16	4.25	4.56	<b>(0.30)</b>	8.14	8.66	<b>(0.53)</b>	<b>(0.42)</b>
<b>Average Performance</b>			<b>(0.45)</b>				<b>(0.67)</b>

**Weighted Annualized Returns - Freedom Funds vs S&P TDF Indices**

<b>3Y Returns in %</b>				<b>5Y Returns in %</b>			
Freedom Funds	S&P TDF Indices	Performance		Freedom Funds	S&P TDF Indices	Performance	Avg 3y and 5y Performance
4Q15	7.05	7.51	<b>(0.46)</b>	6.17	6.96	<b>(0.79)</b>	<b>(0.63)</b>
1Q16	5.41	6.11	<b>(0.70)</b>	5.35	6.47	<b>(1.12)</b>	<b>(0.91)</b>
2Q16	6.28	6.82	<b>(0.54)</b>	5.80	6.73	<b>(0.93)</b>	<b>(0.74)</b>
3Q16	6.08	6.18	<b>(0.10)</b>	9.69	10.28	<b>(0.60)</b>	<b>(0.35)</b>
4Q16	4.41	4.66	<b>(0.25)</b>	8.51	8.92	<b>(0.41)</b>	<b>(0.33)</b>
<b>Average Performance</b>			<b>(0.41)</b>				<b>(0.59)</b>

37. On a weighted basis, the Freedom Funds lagged the S&P Indices by a range of 10 to 112 basis points for a simple average of 41 to 77 basis points of underperformance.

38. Applying the standards articulated in the IPS to evaluate breaches of the performance criteria, consistent with those I have seen, used, and applied throughout my career, it is evident that during the review period identified above, over which the Committee should have met and reviewed the investment performance as required by the IPS, fiduciaries acting consistent with applicable industry standards would have formally recognized the Freedom Funds’ underperformance, applied greater scrutiny over the ensuing period, and ultimately removed the TDF for persistent violation of IPS performance standards.

39. In addition to underperforming based on simple return, according to the IPS, a fund should be placed on watch when “The consistency of performance as measured by the

fund's information ratio is negative as measured on a 3-, 5-, or 10-year basis[.]”<sup>26</sup> To further validate the degree of underperformance demonstrated above, I have analyzed the Information Ratio for the Freedom Funds for the same periods.<sup>27</sup> As shown in Table 3 below, the Information Ratio analysis indicates that the Freedom Funds were consistently failing the IPS criteria, with a negative Information Ratio in 90% of the results. These findings further confirm the results of the benchmark and reinforce the need for watch listing, removal and replacement of the Freedom Funds suite over the same timeframe.

**TABLE 3: Freedom Funds Information Ratio (Q4 2015–Q4 2016)**

Vintage	As of 12/31/2015		As of 3/31/2016		As of 6/30/2016		As of 9/30/2016		As of 12/31/2016	
	3-Year Information Ratio	5-Year Information Ratio	3-Year Information Ratio	5-Year Information Ratio	3-Year Information Ratio	5-Year Information Ratio	3-Year Information Ratio	5-Year Information Ratio	3-Year Information Ratio	5-Year Information Ratio
Fidelity Freedom K® Income	(0.98)	(1.14)	(0.82)	(1.25)	(0.85)	(1.09)	(0.56)	(1.04)	(0.37)	(0.81)
Fidelity Freedom K® 2005	(0.61)	(0.90)	(0.55)	(1.09)	(0.49)	(0.87)	(0.17)	(0.55)	(0.12)	(0.36)
Fidelity Freedom K® 2010	0.43	0.02	0.09	(0.18)	0.12	(0.06)	0.23	0.47	0.13	0.55
Fidelity Freedom K® 2015	(0.15)	(0.35)	(0.22)	(0.49)	(0.10)	(0.36)	0.13	(0.12)	0.05	0.08
Fidelity Freedom K® 2020	(0.46)	(0.51)	(0.45)	(0.67)	(0.25)	(0.52)	0.04	(0.33)	(0.01)	(0.15)
Fidelity Freedom K® 2025	(0.02)	(0.26)	(0.18)	(0.45)	(0.03)	(0.31)	0.18	(0.07)	0.02	0.06
Fidelity Freedom K® 2030	(0.09)	(0.27)	(0.20)	(0.42)	(0.10)	(0.33)	0.16	(0.18)	0.05	(0.03)
Fidelity Freedom K® 2035	0.08	(0.25)	(0.16)	(0.42)	(0.10)	(0.32)	0.11	(0.06)	0.04	0.08
Fidelity Freedom K® 2040	(0.06)	(0.37)	(0.24)	(0.53)	(0.18)	(0.43)	0.07	(0.22)	(0.00)	(0.10)
Fidelity Freedom K® 2045	(0.13)	(0.43)	(0.30)	(0.60)	(0.23)	(0.49)	0.04	(0.29)	(0.03)	(0.18)
Fidelity Freedom K® 2050	(0.28)	(0.52)	(0.43)	(0.73)	(0.31)	(0.60)	(0.01)	(0.37)	(0.08)	(0.30)
Fidelity Freedom K® 2055	(0.26)	N.A.	(0.41)	N.A.	(0.30)	(0.62)	(0.02)	(0.37)	(0.07)	(0.33)
Fidelity Freedom K® 2060	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>Information Ratio &lt; 0</b>	<b>83%</b>	<b>91%</b>	<b>92%</b>	<b>100%</b>	<b>92%</b>	<b>100%</b>	<b>33%</b>	<b>92%</b>	<b>58%</b>	<b>67%</b>

40. Having performed an evaluation of the Plan's TDFs against their prescribed industry benchmark, it is paramount to also review Peer Group performance data to understand how the Freedom Funds' performance compares to its peers. As explained above, I have determined that the subset of TDFs identified in the 2016 TDF Deep Dive document represents an appropriate Peer Group with which to scrutinize the Freedom Funds against alternative TDFs that represent realistic prospective alternatives.

<sup>26</sup> See QUANTA\_001404 at 17.

<sup>27</sup> I have used the S&P Indices TR USD as the benchmark for each relative vintage.

**TABLE 4: Freedom Funds Percentile Rank against Peers (Q4 2015–Q4 2016)<sup>28</sup>**

Vintages	As of 12/31/2015		As of 3/31/2016	
	3-Year Ann. Ret. Percentile Rank	5-Year Ann. Ret. Percentile Rank	3-Year Ann. Ret. Percentile Rank	5-Year Ann. Ret. Percentile Rank
	Freedom Fund vs. 2016 Deep Dive Peers	Freedom Fund vs. 2016 Deep Dive Peers	Freedom Fund vs. 2016 Deep Dive Peers	Freedom Fund vs. 2016 Deep Dive Peers
2005	50	50	50	50
2010	60	80	80	80
2015	45	72	45	72
2020	50	70	67	70
2025	42	75	50	75
2030	67	80	67	80
2035	58	88	75	88
2040	67	80	75	80
2045	67	88	83	88
2050	75	80	83	90
2055	67	N.A.	83	N.A.
2060	N.A.	N.A.	N.A.	N.A.
Retirement	89	86	67	72
<b>% of Times Rank &gt;=50</b>	<b>83%</b>	<b>100%</b>	<b>92%</b>	<b>100%</b>

Vintages	As of 6/30/2016		As of 9/30/2016		As of 12/31/2016	
	3-Year Ann. Ret. Percentile Rank	5-Year Ann. Ret. Percentile Rank	3-Year Ann. Ret. Percentile Rank	5-Year Ann. Ret. Percentile Rank	3-Year Ann. Ret. Percentile Rank	5-Year Ann. Ret. Percentile Rank
	Freedom Fund vs. 2016 Deep Dive Peers	Freedom Fund vs. 2016 Deep Dive Peers	Freedom Fund vs. 2016 Deep Dive Peers	Freedom Fund vs. 2016 Deep Dive Peers	Freedom Fund vs. 2016 Deep Dive Peers	Freedom Fund vs. 2016 Deep Dive Peers
2005	50	50	50	50	50	50
2010	80	80	60	60	40	60
2015	45	72	38	72	25	57
2020	58	73	42	46	25	46
2025	50	78	42	56	33	56
2030	67	82	33	55	8	55
2035	75	89	42	67	17	67
2040	83	82	58	91	25	64
2045	75	89	58	89	42	67
2050	75	91	58	91	33	82
2055	75	88	58	88	42	88
2060	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Retirement	67	75	67	75	56	88
<b>% of Times Rank &gt;=50</b>	<b>92%</b>	<b>100%</b>	<b>58%</b>	<b>92%</b>	<b>17%</b>	<b>92%</b>

41. Measured against its peers, as shown above in Table 4, the Freedom Funds ranked below the median in all five five-year timeframes and four of five three-year timeframes in the five quarters of the review period. However, in addition to underperforming based on simple return, according to the IPS, a fund should be placed on watch when “an investment option’s risk-adjusted return (Alpha) falls below that of the peer group’s median risk-adjusted return.”<sup>29</sup> To further validate the degree of underperformance demonstrated above, I have analyzed Alpha

<sup>28</sup> See Exhibit 1. Additionally, I have conducted this analysis excluding the vintages with less than 3 peers in the 5 quarters and the results remain consistent.

<sup>29</sup> See QUANTA\_001404 at 17.

for the same periods by comparing the Freedom Funds with the Peer Group medians.<sup>30</sup> As shown in Table 5 below, the Alpha generated by the Freedom Funds generally underperforms the Peer Group in each quarter of the review period in either or both the three-year and five-year averaging, further confirming the performance issues of the Freedom Funds on a risk-adjusted basis and demonstrating the need, under the provisions of the IPS, for the suite to have been placed on watch and ultimately removed.

**TABLE 5: Freedom Funds Peer Group Analysis  
(Quarterly 3-year and 5-year Alpha)**

<i>As of 12/31/2015</i>						
Vintages	3-Year Alpha			5-Year Alpha		
	Freedom Fund	Deep Dive Peers Median	(Over/Under) Performance	Freedom Fund	Deep Dive Peers Median	(Over/Under) Performance
Fidelity Freedom K® Income	(0.24)	(0.28)	0.04	(0.30)	(0.05)	(0.25)
Fidelity Freedom K® 2005	(0.16)	(0.45)	0.29	(0.61)	(0.68)	0.08
Fidelity Freedom K® 2010	(0.08)	(0.16)	0.08	(0.81)	(0.19)	(0.62)
Fidelity Freedom K® 2015	(0.48)	(0.27)	(0.21)	(0.47)	(0.18)	(0.30)
Fidelity Freedom K® 2020	(0.53)	(0.07)	(0.45)	(0.50)	0.20	(0.70)
Fidelity Freedom K® 2025	(0.27)	0.09	(0.36)	(0.45)	0.30	(0.75)
Fidelity Freedom K® 2030	(0.71)	(0.03)	(0.68)	(0.49)	0.14	(0.62)
Fidelity Freedom K® 2035	(0.51)	(0.01)	(0.51)	(0.73)	0.32	(1.05)
Fidelity Freedom K® 2040	(0.37)	(0.02)	(0.34)	(0.65)	0.11	(0.76)
Fidelity Freedom K® 2045	(0.17)	0.08	(0.25)	(0.61)	0.45	(1.06)
Fidelity Freedom K® 2050	(0.09)	0.09	(0.18)	(0.78)	0.25	(1.03)
Fidelity Freedom K® 2055	0.13	0.15	(0.02)	N.A.	0.62	N.A.
Fidelity Freedom K® 2060	N.A.	0.34	N.A.	N.A.	N.A.	N.A.
<b>% of Freedom Funds that Underperformed</b>			<b><u>75%</u></b>			<b><u>91%</u></b>

  

<i>As of 3/31/2016</i>						
Vintages	3-Year Alpha			5-Year Alpha		
	Freedom Fund	Deep Dive Peers Median	(Over/Under) Performance	Freedom Fund	Deep Dive Peers Median	(Over/Under) Performance
Fidelity Freedom K® Income	(0.33)	(0.31)	(0.02)	(0.53)	(0.47)	(0.06)
Fidelity Freedom K® 2005	(0.41)	(0.47)	0.05	(0.93)	(0.85)	(0.08)
Fidelity Freedom K® 2010	(0.54)	(0.30)	(0.23)	(1.20)	(0.44)	(0.75)
Fidelity Freedom K® 2015	(0.81)	(0.24)	(0.57)	(0.84)	(0.32)	(0.52)
Fidelity Freedom K® 2020	(0.84)	(0.04)	(0.79)	(0.88)	0.18	(1.07)
Fidelity Freedom K® 2025	(0.61)	(0.02)	(0.59)	(0.80)	0.20	(1.00)
Fidelity Freedom K® 2030	(1.10)	(0.29)	(0.81)	(0.93)	(0.03)	(0.90)
Fidelity Freedom K® 2035	(1.08)	(0.34)	(0.73)	(1.22)	0.15	(1.37)
Fidelity Freedom K® 2040	(0.87)	(0.36)	(0.51)	(1.10)	0.05	(1.14)
Fidelity Freedom K® 2045	(0.69)	(0.30)	(0.39)	(1.05)	0.25	(1.30)
Fidelity Freedom K® 2050	(0.63)	(0.24)	(0.39)	(1.23)	0.22	(1.45)
Fidelity Freedom K® 2055	(0.43)	(0.12)	(0.32)	N.A.	0.23	N.A.
Fidelity Freedom K® 2060	N.A.	0.10	N.A.	N.A.	N.A.	N.A.
<b>% of Freedom Funds that Underperformed</b>			<b><u>92%</u></b>			<b><u>100%</u></b>

<sup>30</sup> See Exhibit 2. The list of peers in this analysis is defined in paragraph 40, and the 3-month US Treasury Bill is the Risk-Free rate.

**TABLE 5: Freedom Funds Peer Group Analysis  
(Quarterly 3-year and 5-year Alpha) (cont.)**

<i>As of 6/30/2016</i>						
Vintages	3-Year Annualized Return in %			5-Year Annualized Return in %		
	Freedom Fund	Deep Dive Peers Median	(Over/Under) Performance	Freedom Fund	Deep Dive Peers Median	(Over/Under) Performance
Fidelity Freedom K® Income	(0.25)	(0.31)	0.06	(0.38)	(0.32)	(0.06)
Fidelity Freedom K® 2005	(0.39)	(0.42)	0.03	(0.72)	(0.70)	(0.02)
Fidelity Freedom K® 2010	(0.73)	(0.45)	(0.28)	(1.01)	(0.48)	(0.53)
Fidelity Freedom K® 2015	(0.77)	(0.18)	(0.59)	(0.68)	(0.32)	(0.36)
Fidelity Freedom K® 2020	(0.66)	0.10	(0.76)	(0.69)	0.48	(1.16)
Fidelity Freedom K® 2025	(0.48)	0.23	(0.71)	(0.60)	0.33	(0.93)
Fidelity Freedom K® 2030	(1.01)	0.04	(1.04)	(0.77)	0.05	(0.82)
Fidelity Freedom K® 2035	(1.06)	(0.08)	(0.98)	(1.02)	0.00	(1.02)
Fidelity Freedom K® 2040	(0.85)	(0.19)	(0.67)	(0.91)	0.05	(0.96)
Fidelity Freedom K® 2045	(0.62)	(0.05)	(0.57)	(0.84)	0.17	(1.02)
Fidelity Freedom K® 2050	(0.48)	0.09	(0.57)	(0.97)	0.23	(1.19)
Fidelity Freedom K® 2055	(0.29)	0.23	(0.51)	(1.00)	0.15	N.A.
Fidelity Freedom K® 2060	N.A.	0.14	N.A.	N.A.	N.A.	N.A.
<b>% of Freedom Funds that Underperformed</b>			<b>83%</b>			<b>100%</b>

  

<i>As of 9/30/2016</i>						
Vintages	3-Year Alpha			5-Year Alpha		
	Freedom Fund	Deep Dive Peers Median	(Over/Under) Performance	Freedom Fund	Deep Dive Peers Median	(Over/Under) Performance
Fidelity Freedom K® Income	(0.16)	(0.37)	0.21	(0.15)	(0.11)	(0.04)
Fidelity Freedom K® 2005	(0.31)	(0.29)	(0.02)	(0.26)	(0.29)	0.03
Fidelity Freedom K® 2010	(0.67)	(0.38)	(0.29)	(0.47)	(0.23)	(0.24)
Fidelity Freedom K® 2015	(0.62)	(0.33)	(0.29)	(0.53)	(0.06)	(0.47)
Fidelity Freedom K® 2020	(0.49)	0.25	(0.73)	(0.45)	0.32	(0.77)
Fidelity Freedom K® 2025	(0.34)	0.23	(0.57)	(0.37)	0.19	(0.56)
Fidelity Freedom K® 2030	(0.67)	0.07	(0.73)	(0.73)	0.06	(0.79)
Fidelity Freedom K® 2035	(0.78)	0.01	(0.79)	(0.86)	0.20	(1.05)
Fidelity Freedom K® 2040	(0.56)	(0.15)	(0.41)	(0.71)	0.02	(0.72)
Fidelity Freedom K® 2045	(0.37)	(0.04)	(0.33)	(0.57)	0.08	(0.66)
Fidelity Freedom K® 2050	(0.20)	0.14	(0.34)	(0.51)	0.19	(0.70)
Fidelity Freedom K® 2055	(0.05)	0.25	(0.30)	(0.42)	0.26	N.A.
Fidelity Freedom K® 2060	N.A.	0.26	N.A.	N.A.	N.A.	N.A.
<b>% of Freedom Funds that Underperformed</b>			<b>92%</b>			<b>91%</b>

  

<i>As of 12/31/2016</i>						
Vintages	3-Year Alpha			5-Year Alpha		
	Freedom Fund	Deep Dive Peers Median	(Over/Under) Performance	Freedom Fund	Deep Dive Peers Median	(Over/Under) Performance
Fidelity Freedom K® Income	(0.11)	(0.30)	0.19	(0.10)	0.01	(0.10)
Fidelity Freedom K® 2005	(0.25)	(0.36)	0.12	(0.16)	(0.23)	0.06
Fidelity Freedom K® 2010	(0.55)	(0.54)	(0.01)	(0.26)	(0.14)	(0.12)
Fidelity Freedom K® 2015	(0.53)	(0.58)	0.05	(0.40)	(0.03)	(0.38)
Fidelity Freedom K® 2020	(0.43)	(0.02)	(0.41)	(0.37)	0.09	(0.46)
Fidelity Freedom K® 2025	(0.40)	(0.15)	(0.25)	(0.30)	0.13	(0.44)
Fidelity Freedom K® 2030	(0.64)	(0.30)	(0.34)	(0.67)	0.12	(0.78)
Fidelity Freedom K® 2035	(0.65)	(0.36)	(0.29)	(0.71)	0.14	(0.85)
Fidelity Freedom K® 2040	(0.52)	(0.48)	(0.03)	(0.62)	(0.06)	(0.55)
Fidelity Freedom K® 2045	(0.37)	(0.36)	(0.01)	(0.48)	(0.00)	(0.48)
Fidelity Freedom K® 2050	(0.26)	(0.23)	(0.03)	(0.43)	0.06	(0.49)
Fidelity Freedom K® 2055	(0.13)	(0.17)	0.04	(0.35)	0.18	N.A.
Fidelity Freedom K® 2060	N.A.	(0.11)	N.A.	N.A.	N.A.	N.A.
<b>% of Freedom Funds that Underperformed</b>			<b>67%</b>			<b>91%</b>



**B. Application of an objective investment monitoring and removal framework consistent with the Plan's IPS would have resulted in the identification of a replacement no later than the Fourth Quarter of 2016 and the removal of the Freedom Funds in the Plan in the First Quarter of 2017.**

42. Under normal circumstances, my experience would suggest that, provided the regular monitoring of rolling three- and five-year investment returns, a meaningful breach of the performance standards articulated in the Plan's IPS in any quarter would be sufficient for the flagging of the fund and placing it on watch, with removal and replacement of the fund series if the underperformance persists for additional periods not to exceed four quarters in total. Given the unique nature of TDFs and the need for a plan sponsor to replace the entire series (as TDFs are offered and distributed as a single suite and plans cannot add only individual vintages of a particular suite), not to mention the high proportion of utilization evident in the Plan and the Freedom Funds' designation as the QDIA, a more conservative approach is warranted for purposes of this analysis to ensure the noted underperformance is persistent. Accordingly, I will defer for this analysis (and those of the American Beacon and DFA Funds below) to the five-quarter breach of the stated performance standards outlined in the IPS as the appropriate threshold for removal and replacement. Therefore, it is my opinion, based on a thorough analysis of each of the benchmark and peer-relative indicators presented above in my report, following identification of the Freedom Funds as being in breach of the IPS performance standards in the Fourth Quarter of 2015, the Committee, employing a reasonable monitoring framework, would have, through continued scrutiny of the suite, determined to remove and replace the Freedom Funds in the Plan array no later than four quarters later, or by the end of the Fourth Quarter of 2016, with the replacement occurring in the First Quarter of 2017.

43. Accordingly, using an objective set of contemporaneous commonly used performance criteria and fund information available as of the Fourth Quarter of 2016, I created a filtered peer group pursuant to the selection criteria reflected in the IPS from which to identify a potential suitable replacement TDF pursuant to the following process.

44. I began by selecting all funds in the Morningstar category "US Target Date Funds" for all vintages included in the plan as of 2016. The initial list comprised 4,967 open-

end TDFs funds,<sup>31</sup> including all distinct share classes of each TDF strategy. Specifically, the breakdown was as follows: 413 funds in the Target Date 2000-2010 category, 370 funds in the 2015 category, 496 funds in the 2020 category, 423 funds in the 2025 category, 485 funds in the 2030 category, 410 funds in the 2035 category, 482 funds in the 2040 category, 392 funds in the 2045 category, 421 funds in the 2050 category, 371 funds in the 2055 category, 309 funds in the 2060 category, and 395 funds in the Retirement vintages. To create a reasonable custom peer group, I evaluated all potential alternative TDFs with vintages corresponding to those of the Freedom Funds for at least 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, and Retirement, when available. This approach also included funds without vintages in 2005, 2010, or 2015, as these earlier vintages had already transitioned to the Retirement category by 2015, with their asset allocation in the Plan being relatively minor, representing only 9.21% by 2016.<sup>32</sup> My filtering methodology incorporates threshold measures such as a minimum of three years of performance history as of Q4 2016 and at least \$500 million in assets under management for vintages 2020, 2030, and 2040. I further refined the set by choosing the lowest-cost share class and the oldest share class by inception date among those available for the relevant vintages.<sup>33</sup>

45. The resulting custom group of potential suitable alternative TDFs includes 8 of 12 suites referenced in the 2016 TDF Deep Dive document.<sup>34</sup> Four other TDFs were added to the array based on the filtering methodology described above. As shown in the Table 6 Scorecard below, I performed a comparison of the Freedom Funds to this custom group for the same five-quarter period discussed above.<sup>35</sup>

46. While I used the data in Table 6 for purposes of identifying a suitable alternative TDF to the Freedom Funds and not as part of my investment monitoring framework laid out in detail in the preceding paragraphs, it bears mention that the Freedom Funds do not rank in the

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<sup>31</sup> See Exhibit 3.

<sup>32</sup> See QUANTA\_120935 at 46.

<sup>33</sup> See Exhibit 4.

<sup>34</sup> Notably, Putnam, JPMorgan SmartRetirement® Blend, Manning & Napier and MFS Lifetime funds were excluded since they did not meet my asset-level criteria by Q4 2016.

<sup>35</sup> See Exhibit 5. Data sourced from Morningstar Direct.

top half of the potential suitable alternatives pursuant to the scoring methodology defined below a single time during the review period.

**C. Application of an objective framework for the identification of suitable alternative investments for the Freedom Funds identified the American Funds Target Date Retirement Fund Series R6 as the most suitable alternative TDFs as of the Fourth Quarter of 2016.**

47. Pursuant to my analysis of potential suitable alternative investments, which represent the viable available alternatives to the Freedom Funds for the Plan, and using an objective set of contemporaneous commonly-used performance criteria and fund information available as of the Fourth Quarter 2016, I have determined that the most appropriate alternative to the Freedom Funds was the American Funds Target Date Retirement Fund Series R6 (“American Funds TDFs”). I reached this conclusion by performing a ranked scoring analysis for each of the potential alternatives based on a composite of analytical criteria including Expense Ratio, three- and five-year Volatility,<sup>36</sup> three- and five-year Annualized Total Return,<sup>37</sup> three- and five-year Sharpe Ratio,<sup>38</sup> three- and five-year Alpha,<sup>39</sup> three- and five-year

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<sup>36</sup> Standard Deviation is defined by Morningstar as “a statistical measurement of dispersion about an average, which, for a mutual fund, depicts how widely the returns varied over a certain period of time.”

<sup>37</sup> “Expressed in percentage terms, Morningstar’s calculation of total return is determined by taking the change in price, reinvesting, if applicable, all income and capital-gains distributions during that month and dividing by the starting price. Reinvestments are made using the actual reinvestment price, and daily payoffs are reinvested monthly. Unless otherwise noted, Morningstar does not adjust total returns for sales charges (such as front-end loads, deferred loads and redemption fees), preferring to give a clearer picture of performance. The total returns do account for management, administrative, 12b-1 fees and other costs taken out of assets. Total returns for periods longer than one year are expressed in terms of compounded average annual returns (also known as geometric total returns), affording a more meaningful picture of fund performance than non-annualized figures.” Source: Morningstar Direct.

<sup>38</sup> “The Sharpe ratio compares an investment’s excess return over a benchmark to the standard deviation of returns. The higher the Sharpe ratio, the better the investment’s historical risk-adjusted performance. It is calculated by using standard deviation and excess return to determine reward per unit of risk. The Sharpe Ratio can be used to compare two funds directly on how much risk a fund had to bear to earn excess return over the risk-free rate.” Source: Morningstar Direct.

<sup>39</sup> The Alpha is generally used to measure the value added or subtracted by a portfolio manager. It is a “measure of the difference between a portfolio’s actual returns and its expected performance, given its level of risk as measured by beta. A positive Alpha figure indicates the portfolio has performed better than its beta would predict. In contrast, a negative Alpha indicates the portfolio has underperformed, given the expectations established by beta. Alpha is calculated by taking the excess average monthly return of the investment over the risk-free rate and subtracting beta times the excess average monthly return of the benchmark over the risk-free rate.” Source: Morningstar Direct.

Information Ratio,<sup>40</sup> and three- and five-year Maximum Drawdown,<sup>41</sup> which are each prevailing metrics in the retirement investing industry and which I have applied throughout my career.<sup>42</sup> This information was available to the Committee in real time when they retained the Freedom Funds during the reference period.

48. I performed the ranked scoring analysis by ranking each criterion (on a scale of 1 to 12 considering the number of potential alternative funds), attributing the highest point total to the TDF with the most desirable performance in those criteria. The TDF with the best performance in a particular category was assigned twelve points, the second-best performing fund received eleven points, and so on. The rankings of all criteria were then added for each of the potential alternative investments, thereby creating a total score for each fund.<sup>43</sup>

49. This objective grading process replicates a market-standard scoring system for the identification of the most suitable alternative in a fund search process that is regularly used in the retirement industry and which I have used throughout my career. As shown below, the most suitable alternative investment identified pursuant to this analysis is the American Funds TDFs:

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<sup>40</sup> An investment's information ratio ("IR") is a "ratio of portfolio returns in excess of the returns of a benchmark (usually an index) to the volatility of those returns. . . The information ratio (IR) measures a portfolio manager's ability to generate excess returns relative to a benchmark, but also attempts to identify the consistency of the portfolio manager. This ratio will identify if a manager has beaten the benchmark by a lot in a few months or a little every month. The higher the IR, the more consistent a manager is." See Morningstar Office, Information Ratio (2023), available at: [https://admainnew.morningstar.com/webhelp/glossary\\_definitions/mutual\\_fund/Information\\_Ratio.htm](https://admainnew.morningstar.com/webhelp/glossary_definitions/mutual_fund/Information_Ratio.htm).

<sup>41</sup> The maximum drawdown is "the peak to trough decline during a specific record period of an investment or fund. It is usually quoted as the percentage between the peak to the trough." Source: Morningstar Direct.

<sup>42</sup> To calculate risk the Sharpe Ratio, Information Ratio and Alpha, I used the US 3-Month Treasury Bills as the risk-free investment and the S&P Indices as benchmark.

<sup>43</sup> To calculate a score that accounts for missing data in some funds, I have computed an adjusted score by averaging the simple scores based on the number of criteria with available data.

**TABLE 6: Freedom Funds Replacement Funds by Quarter Scorecard<sup>44</sup>**

	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score	Adjusted Score
Potential Alternative Funds		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y		
as of Q4 2015															
American Funds Trgt Date Retire R6 Suite	10	5	6	9	6	12	11	12	11	12	11	12	11	128	9.8
Schwab Target Suite	7	11	8	12	9	7	9	11	9	11	9	11	10	124	9.5
Vanguard Target Retirement Suite	12	8	7	7	8	8	5	9	8	8	8	10	9	107	8.2
American Century One Choice In Ret 1	3	10	10	10	10	6	7	10	10	10	10	4	6	106	8.2
T. Rowe Price Retirement Suite	6	4	2	3	4	11	10	8	7	9	7	9	8	88	6.8
Nuveen Lifecycle Retirement Suite	2	1	4	4	5	10	8	5	6	5	6	8	7	71	5.5
Principal LifeTime Institutional Suite	5	6	5	8	3	5	4	6	5	6	5	5	4	67	5.2
Allspring Target R6 Suite	9	12	11	11	11	1	1	1	3	1	3	1	1	66	5.1
JPMorgan SmartRetirement R6 Suite	8	3	1	2	2	9	6	7	4	7	4	7	5	65	5.0
Fidelity Freedom Suite	4	9	9	6	7	2	2	2	2	3	2	3	2	53	4.1
BlackRock LifePath® Index K Suite	11	7	N.A.	5	N.A.	3	N.A.	4	N.A.	4	N.A.	2	N.A.	36	5.1
JHancock Multimanager Lifetime R6 Suite	1	2	3	1	1	4	3	3	1	2	1	6	3	31	2.4
as of Q1 2016															
American Funds Trgt Date Retire R6 Suite	10	8	6	12	6	12	11	12	11	12	11	12	11	134	10.3
Vanguard Target Retirement Suite	12	9	7	8	8	9	8	11	9	10	9	11	10	121	9.3
American Century One Choice In Ret 1	3	11	9	10	10	7	9	10	10	11	10	6	7	113	8.7
Schwab Target Suite	7	6	10	7	9	10	7	8	8	8	8	9	9	106	8.2
T. Rowe Price Retirement Suite	6	4	2	6	4	11	10	9	6	9	6	10	8	91	7.0
Allspring Target R6 Suite	9	12	11	11	11	1	1	3	7	4	7	1	2	80	6.2
JPMorgan SmartRetirement R6 Suite	8	3	1	1	2	8	6	6	4	6	4	8	6	63	4.8
Nuveen Lifecycle Retirement Suite	2	1	4	3	5	6	5	4	5	3	5	7	5	55	4.2
Principal LifeTime Institutional Suite	5	5	5	4	3	4	4	5	3	5	3	2	4	52	4.0
BlackRock LifePath® Index K Suite	11	7	N.A.	9	N.A.	5	N.A.	7	N.A.	7	N.A.	5	N.A.	51	7.3
Fidelity Freedom Suite	4	10	8	5	7	2	2	2	2	2	2	3	1	50	3.8
JHancock Multimanager Lifetime R6 Suite	1	2	3	2	1	3	3	1	1	1	1	4	3	26	2.0
as of Q2 2016															
American Funds Trgt Date Retire R6 Suite	10	7	7	11	7	12	12	12	12	12	12	12	12	138	10.6
Vanguard Target Retirement Suite	12	10	9	8	9	10	9	11	11	11	10	11	11	132	10.2
American Century One Choice In Ret 1	3	11	10	10	11	5	10	9	10	10	11	4	8	112	8.6
BlackRock LifePath® Index K Suite	11	8	6	9	6	9	6	8	7	8	8	9	5	100	7.7
Schwab Target Suite	7	5	11	7	10	7	5	6	9	6	9	7	9	98	7.5
Allspring Target R6 Suite	9	12	12	12	12	1	1	10	8	9	7	1	2	96	7.4
T. Rowe Price Retirement Suite	6	4	4	6	5	11	11	7	6	7	6	10	10	93	7.2
JPMorgan SmartRetirement R6 Suite	8	3	3	1	2	8	8	5	5	5	5	8	7	68	5.2
Fidelity Freedom Suite	4	9	8	5	8	2	2	4	2	3	2	3	1	53	4.1
Nuveen Lifecycle Retirement Suite	2	1	2	3	4	6	7	2	4	2	4	6	6	49	3.8
Principal LifeTime Institutional Suite	5	6	5	4	3	4	4	3	3	4	3	2	3	49	3.8
JHancock Multimanager Lifetime R6 Suite	1	2	1	2	1	3	3	1	1	1	1	5	4	26	2.0

<sup>44</sup> See Exhibit 5 for the metrics used in the analysis.

**TABLE 6: Freedom Funds Replacement Funds by Quarter Scorecard (cont.)**

Potential Alternative Funds	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score	Adjusted Score
		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y		
as of Q3 2016															
American Funds Trgt Date Retire R6 Suite	10	7	7	11	11	12	12	12	12	12	12	12	12	142	10.9
Vanguard Target Retirement Suite	12	9	8	8	8	10	6	11	10	10	10	11	10	123	9.5
American Century One Choice In Ret I	3	11	10	10	9	8	7	10	11	11	11	8	4	113	8.7
T. Rowe Price Retirement Suite	6	4	3	6	5	11	11	7	8	7	8	10	11	97	7.5
BlackRock LifePath® Index K Suite	11	6	5	9	7	9	5	8	7	9	7	9	3	95	7.3
Schwab Target Suite	7	5	11	7	12	6	4	6	9	6	9	5	6	93	7.2
Allspring Target R6 Suite	9	12	12	12	10	1	1	9	2	8	5	2	1	84	6.5
JPMorgan SmartRetirement R6 Suite	8	3	4	1	2	7	10	4	5	5	6	7	9	71	5.5
Principal LifeTime Institutional Suite	5	10	6	5	6	2	3	3	6	3	3	1	5	58	4.5
Fidelity Freedom Suite	4	8	9	4	4	3	2	5	1	4	1	4	2	51	3.9
Nuveen Lifecycle Retirement Suite	2	1	1	3	3	5	9	2	4	2	4	6	8	50	3.8
JHancock Multimanager Lifetime R6 Suite	1	2	2	2	1	4	8	1	3	1	2	3	7	37	2.8
as of Q4 2016															
American Funds Trgt Date Retire R6 Suite	10	8	6	12	11	12	12	12	12	12	12	12	12	143	11.0
Vanguard Target Retirement Suite	12	9	9	8	8	10	7	11	10	10	10	11	10	125	9.6
American Century One Choice In Ret I	3	11	10	10	9	9	6	10	11	11	11	8	3	112	8.6
T. Rowe Price Retirement Suite	6	4	3	6	5	8	11	7	8	8	8	9	11	94	7.2
BlackRock LifePath® Index K Suite	11	5	5	9	7	11	5	9	3	9	3	10	2	89	6.8
Schwab Target Suite	7	6	11	7	12	4	4	6	9	5	9	3	6	89	6.8
Allspring Target R6 Suite	9	12	12	11	10	1	1	4	1	7	1	2	1	72	5.5
JPMorgan SmartRetirement R6 Suite	8	3	4	1	2	6	9	5	7	4	7	5	8	69	5.3
Fidelity Freedom Suite	4	7	8	4	4	7	2	8	2	6	2	7	4	65	5.0
Principal LifeTime Institutional Suite	5	10	7	5	6	2	3	2	6	2	6	1	5	60	4.6
JHancock Multimanager Lifetime R6 Suite	1	2	2	2	1	5	8	3	5	3	4	6	9	51	3.9
Nuveen Lifecycle Retirement Suite	2	1	1	3	3	3	10	1	4	1	5	4	7	45	3.5
as of Q1 2017															
American Funds Trgt Date Retire R6 Suite	10	8	6	12	11	12	12	12	12	12	12	12	12	143	11.0
Vanguard Target Retirement Suite	12	9	7	8	7	8	7	11	10	10	10	9	10	118	9.1
American Century One Choice In Ret I	3	11	10	10	9	4	6	10	11	11	11	4	4	104	8.0
T. Rowe Price Retirement Suite	6	4	4	6	5	11	11	8	8	8	8	11	11	101	7.8
Schwab Target Suite	7	6	11	7	12	3	4	6	9	5	9	3	7	89	6.8
BlackRock LifePath® Index K Suite	11	5	5	9	8	10	5	7	4	9	5	8	2	88	6.8
Fidelity Freedom Suite	4	7	8	4	4	9	2	9	3	7	2	10	5	74	5.7
JPMorgan SmartRetirement R6 Suite	8	3	2	2	1	7	9	5	5	6	7	7	6	68	5.2
Allspring Target R6 Suite	9	12	12	11	10	1	1	1	1	3	1	2	1	65	5.0
Principal LifeTime Institutional Suite	5	10	9	5	6	2	3	2	6	1	3	1	3	56	4.3
JHancock Multimanager Lifetime R6 Suite	1	1	3	1	2	6	8	3	7	2	6	5	9	54	4.2
Nuveen Lifecycle Retirement Suite	2	2	1	3	3	5	10	4	2	4	4	6	8	54	4.2

50. Based on the principles described herein, it is my opinion that the American Funds TDFs meet each of the relevant criteria as a potential replacement investment for the Freedom Funds, including the quantitative criteria set forth above, as well as sufficient performance history, assets under management, and an absence of qualitative concerns. This conclusion is made pursuant to my objective alternative identification framework and is consistent with standard investment search practices in the retirement industry.

**D. Retention of the American Beacon Fund and DFA Fund, respectively, were independently unreasonable under the circumstances of the Plan and Application of Objective Monitoring and Removal Frameworks would have Resulted in the Replacement of these Funds.**

51. Consistent with the analysis of the Freedom Funds performed above, I apply an objective monitoring and removal framework premised on the dictates of the IPS to contemporaneous data to conduct an analysis of the appropriateness of retaining both the American Beacon Fund and DFA Fund during the relevant period. I have concluded that both investments failed to meet the prudent standards for retention as specified in the IPS, based on comparisons to their benchmarks and peers, incorporating return, Alpha and Information Ratio.

52. Turning first to the American Beacon Fund, it began to exhibit underperformance against its benchmark, the Russell 2000 Value Index,<sup>45</sup> starting in Q4 2018 as indicated in the three- and five-year time horizons prescribed by the IPS, as is readily observed in Table 7 below.

**TABLE 7: American Beacon v. Benchmark  
(Quarterly 3- And 5-Year Average Returns)**

Quarters	3-Year Annualized Return in %			5-Year Annualized Return in %			Average 3- 5 years (Over/Under) Performance
	American Beacon Small Cap Value R5	Russell 2000 Value	(Over/Under) Performance	American Beacon Small Cap Value R5	Russell 2000 Value	(Over/Under) Performance	
Q4 2018	5.14	7.37	(2.23)	2.93	3.61	(0.68)	(1.46)
Q1 2019	8.39	10.86	(2.47)	5.00	5.59	(0.59)	(1.53)
Q2 2019	8.60	9.81	(1.21)	4.77	5.39	(0.62)	(0.92)
Q3 2019	5.64	6.54	(0.90)	6.07	7.17	(1.10)	(1.00)
Q4 2019	4.23	4.77	(0.54)	6.39	6.99	(0.60)	(0.57)
% of Quarters in Which the Fund Underperformed			<b>100%</b>				<b>100%</b>
Average (Over/Under) Performance			<b>(0.58)</b>				<b>(0.09)</b>
							<b>(0.34)</b>

53. Corroborating this underperformance, Table 8 shows that the American Beacon Fund's Information Ratios are negative for the three- and five-year periods over those same five consecutive quarters, failing the IPS watch list criteria for consistency of performance.<sup>46</sup>

<sup>45</sup> See QUANTA Quarterly Investment Review for Q4 2018, QUANTA\_003084 at 188.

<sup>46</sup> See Investment Policy Statement, November 2017, QUANTA\_112842 at 855.

**TABLE 8: American Beacon v. Benchmark  
(Quarterly 3-year and 5-year Information Ratio)<sup>47</sup>**

Quarters	American Beacon Small Cap Val R5		
	3-Year Information Ratio	5-Year Information Ratio	Average 3 and 5 Year
Q4 2018	(0.96)	(0.29)	(0.63)
Q1 2019	(0.99)	(0.24)	(0.62)
Q2 2019	(0.41)	(0.22)	(0.31)
Q3 2019	(0.29)	(0.38)	(0.33)
Q4 2019	(0.18)	(0.21)	(0.19)
<b>Average</b>	<b>(0.57)</b>	<b>(0.27)</b>	<b>(0.42)</b>

54. The American Beacon Fund similarly failed the Alpha test on a peer-relative basis,<sup>48</sup> as shown in Table 9 below, over the three-year time horizon during the same five quarters.

**TABLE 9: American Beacon Peer Group Analysis  
(Quarterly 3-year and 5-year Alpha)<sup>49</sup>**

Quarters	3-Year Alpha			5-Year Alpha			3- 5 years Average (Over/Under) Performance
	American Beacon Small Cp Val R5	Small Value Peer Group Median	Above/Below Peers Median	American Beacon Small Cp Val R5	Small Value Peer Group Median	Above/Below Peers Median	
Q4 2018	(2.14)	(2.11)	(0.02)	(0.60)	(1.00)	0.39	0.18
Q1 2019	(2.51)	(2.24)	(0.27)	(0.56)	(0.82)	0.26	(0.01)
Q2 2019	(1.51)	(1.41)	(0.10)	(0.64)	(1.05)	0.41	0.16
Q3 2019	(1.05)	(0.98)	(0.07)	(1.20)	(1.51)	0.30	0.11
Q4 2019	(0.65)	(0.75)	0.10	(0.79)	(1.08)	0.30	0.20
% of Quarters in Which the Fund Underperformed			<b>80%</b>				<b>0%</b>
Average (Over/Under) Performance			<b>(0.07)</b>				<b>0.33</b>

55. Therefore, the American Beacon Fund met the standard for watch and ultimately, removal, pursuant to my objective investment monitoring framework based on an analysis of the benchmark and peer-relative indicators identified in the IPS. Following identification of the American Beacon Fund as being in breach of these performance standards as of the Fourth Quarter of 2018, the Committee, employing a reasonable monitoring framework, would have, through continued scrutiny of the fund, determined to remove and replace the American Beacon

<sup>47</sup> I have used the Russell 2000 Value TR USD as benchmark.

<sup>48</sup> I have also reviewed the American Beacon Fund against its appropriate Peer Group as part of my framework, but this data did not independently cause the fund to fail the retention standards over the review period.

<sup>49</sup> I have used Morningstar Direct to retrieve the list of peers as detailed in paragraph 56 and listed in Exhibit 6, and the 3-month US Treasury Bill as Risk-Free rate.



Fund in the Plan array no later than four quarters later, or by the end of the Fourth Quarter of 2019, with the replacement occurring in the First Quarter of 2020. Thus, I proceed with the scorecard analysis of an objective set of contemporaneous commonly used performance criteria and fund information available as of the Fourth Quarter of 2019 to identify a suitable alternative to the American Beacon Fund.

56. I performed the replacement identification analysis of the peer category for the American Beacon Fund established in the quarterly reports, the Morningstar Small Value category, which consisted of 1,160 funds.<sup>50</sup> For the calculation of risk and return measures, I used the Russell 2000 Value TR USD as the benchmark, and the U.S. T-Bill 3-Month Average as the risk-free rate. I then filtered this universe by eliminating funds that did not have a minimum of three years of performance history as of Q4 2019 and at least \$500 million in assets under management by the same date. If multiple share classes were present, I selected the lowest-cost share class and the oldest share class. A total of 38 funds met these criteria.<sup>51</sup>

57. Table 10 below presents the scorecard for the Top 10 funds yielded by this analysis for each quarter of the relevant review period.

**TABLE 10: American Beacon Top 10 Replacement Funds by Quarter Scorecard<sup>52</sup>**

<b>Summary Score TOP 10 Funds by Quarter Q4 2018-Q4 2019</b>			
<b>Alternatives Funds Name</b>	<b>Total Score</b>	<b>Average Manager Tenure</b>	<b>AUM as of Q4 2019</b>
Janus Henderson Small Cap Value N	2279	11.04	\$ 3,841,611,671
Victory Sycamore Small Company Opp R6	2246	17.78	\$ 5,881,599,249
MFS New Discovery Value R6	2159	4.58	\$ 3,490,895,448
Allspring Special Small Cap Value R6	1966	12.47	\$ 3,671,840,059
Vanguard Small Cap Value Index I	1946	4.83	\$ 32,577,928,727
Royce Small-Cap Total Return Instl	1854	12.31	\$ 1,526,684,713
Goldman Sachs Small Cp Val Insights R6	1741	8.08	\$ 641,562,571
Franklin Small Cap Value R6	1567	8.64	\$ 2,576,004,962
American Century Small Cap Value R6	1023	8.21	\$ 1,845,505,115
AB Discovery Value Z	988	11.92	\$ 3,005,562,780
Royce Small-Cap Special Equity Instl	680	12.03	\$ 1,092,362,086
William Blair Small Cap Value R6	659	12.38	\$ 989,868,439
Delaware Small Cap Value R6	320	9.67	\$ 4,476,173,767

<sup>50</sup> See Exhibit 6 for the full list of funds.

<sup>51</sup> See Exhibit 7 for the selected funds.

<sup>52</sup> See Exhibit 8 for the full scorecard and Exhibit 9 for the dataset.

**TABLE 10: American Beacon Top 10 Replacement Funds by Quarter Scorecard (cont.)**

Scorecard														
Potential Alternative Funds	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q4 2018														
Janus Henderson Small Cap Value N	33	37	37	37	38	28	37	34	37	34	37	28	32	449
Victory Sycamore Small Company Opp R6	15	28	27	35	37	38	38	38	38	38	38	38	38	446
MFS New Discovery Value R6	15	30	33	30	31	37	36	36	36	36	36	37	35	428
Vanguard Small Cap Value Index I	37	29	31	29	30	26	35	28	35	28	35	26	34	403
Allspring Special Small Cap Value R6	21	27	29	24	26	30	34	32	34	32	34	30	36	389
Franklin Small Cap Value R6	31	31	23	33	34	33	22	35	22	35	23	32	22	376
Royce Small-Cap Total Return Instl	2	33	35	34	36	31	23	33	26	33	26	31	23	366
Royce Small-Cap Special Equity Instl	3	36	32	38	35	36	15	37	16	37	19	34	20	358
Goldman Sachs Small Cp Val Insights R6	10	16	16	23	25	32	32	31	32	30	31	35	37	350
AB Discovery Value Z	23	22	22	27	29	24	29	24	29	24	29	24	29	335
Potential Alternative Funds	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q1 2019														
Janus Henderson Small Cap Value N	33	38	37	37	38	30	35	36	37	36	36	30	31	454
Victory Sycamore Small Company Opp R6	15	28	31	35	37	38	38	38	38	38	38	38	38	450
MFS New Discovery Value R6	15	29	32	30	31	37	36	37	36	37	37	37	36	430
Vanguard Small Cap Value Index I	37	30	30	29	30	29	32	30	35	28	33	28	33	404
Allspring Special Small Cap Value R6	21	26	29	24	26	32	30	34	33	32	32	32	32	383
Franklin Small Cap Value R6	31	35	28	33	34	27	21	35	22	34	24	29	21	374
Goldman Sachs Small Cp Val Insights R6	10	21	18	23	25	34	31	32	31	29	30	34	37	355
Royce Small-Cap Total Return Instl	2	32	36	34	36	26	23	31	28	30	27	25	23	353
AB Discovery Value Z	23	25	24	27	29	22	28	23	29	23	29	19	28	329
Royce Small-Cap Special Equity Instl	3	36	34	38	35	25	12	28	16	35	17	26	17	322
Potential Alternative Funds	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q2 2019														
Janus Henderson Small Cap Value N	34	38	38	37	38	30	36	36	37	36	36	29	33	458
Victory Sycamore Small Company Opp R6	15	28	29	35	37	38	38	38	38	38	38	38	38	448
MFS New Discovery Value R6	15	30	31	30	31	37	37	37	36	37	37	37	37	432
Allspring Special Small Cap Value R6	21	27	30	24	26	31	34	34	35	33	35	31	34	395
Vanguard Small Cap Value Index I	38	29	28	29	30	25	29	29	31	29	30	25	31	383
Royce Small-Cap Total Return Instl	2	33	35	34	36	28	27	33	28	31	28	28	27	370
Goldman Sachs Small Cp Val Insights R6	10	20	18	23	25	32	30	30	32	30	32	33	36	351
American Century Small Cap Value R6	26	13	10	14	15	35	32	35	30	35	31	35	32	343
William Blair Small Cap Value R6	24	10	11	9	10	34	35	32	34	32	33	36	35	335
AB Discovery Value Z	23	26	26	27	29	23	24	25	24	26	25	22	24	324

**TABLE 10: American Beacon Top 10 Replacement Funds by Quarter Scorecard (cont.)**

	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
Potential Alternative Funds		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q3 2019														
Janus Henderson Small Cap Value N	33	38	38	37	38	34	33	36	36	35	36	32	32	458
Victory Sycamore Small Company Opp R6	15	29	32	35	37	38	38	38	38	38	38	38	38	452
MFS New Discovery Value R6	15	30	31	30	31	37	37	37	37	37	37	37	36	432
Franklin Small Cap Value R6	31	31	27	33	34	29	31	31	31	31	31	28	31	399
Allspring Special Small Cap Value R6	21	27	29	24	24	33	34	32	35	33	35	33	34	394
Vanguard Small Cap Value Index I	37	28	28	29	30	27	27	30	29	28	29	27	29	378
Royce Small-Cap Total Return Instl	2	33	35	34	36	31	26	33	30	32	30	31	25	378
American Century Small Cap Value R6	25	15	13	14	14	35	35	34	32	34	33	35	33	352
Goldman Sachs Small Cp Val Insights R6	10	21	20	23	23	30	32	29	33	29	32	34	35	351
William Blair Small Cap Value R6	N.A.	10	12	9	9	36	36	35	34	36	34	36	37	324
	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
Potential Alternative Funds		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q4 2019														
Janus Henderson Small Cap Value N	33	37	38	37	38	34	34	36	36	36	36	32	33	460
Victory Sycamore Small Company Opp R6	15	33	32	35	37	37	37	37	38	37	37	37	38	450
MFS New Discovery Value R6	15	28	31	30	31	38	38	38	37	38	38	38	37	437
Franklin Small Cap Value R6	31	31	27	33	34	33	32	33	33	32	33	35	31	418
Allspring Special Small Cap Value R6	21	27	30	24	24	35	35	34	35	34	35	36	35	405
Royce Small-Cap Total Return Instl	2	34	34	34	36	31	27	35	32	33	29	33	27	387
Vanguard Small Cap Value Index I	37	29	28	29	30	29	26	29	28	29	27	31	26	378
Goldman Sachs Small Cp Val Insights R6	10	24	21	23	23	26	30	28	30	27	30	28	34	334
American Century Small Cap Value R6	25	13	11	14	14	32	33	31	31	31	32	29	32	328
Delaware Small Cap Value R6	26	17	16	19	19	28	28	27	27	28	28	27	30	320
	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
Potential Alternative Funds		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q1 2020														
Victory Sycamore Small Company Opp R6	15	36	36	37	37	38	38	38	38	37	38	37	38	463
MFS New Discovery Value R6	15	29	30	32	32	37	37	37	37	38	37	38	37	436
Janus Henderson Small Cap Value N	33	37	37	35	35	32	36	30	34	30	32	32	32	435
Franklin Small Cap Value R6	31	33	32	34	34	34	33	34	35	34	34	34	33	435
Allspring Special Small Cap Value R6	21	31	31	33	33	33	32	36	33	35	33	36	35	422
Royce Small-Cap Total Return Instl	2	35	35	36	36	36	34	33	31	32	31	35	34	410
Royce Small-Cap Special Equity Instl	3	38	38	38	38	35	30	25	25	25	25	31	29	380
American Century Small Cap Value R6	25	19	16	31	31	30	31	31	32	31	35	29	31	372
Vanguard Small Cap Value Index I	37	23	25	29	29	29	27	29	26	28	26	30	27	365
William Blair Small Cap Value R6	N.A.	16	17	22	22	31	35	35	36	36	36	33	36	355

58. As Table 10 above displays, across the quarters analyzed, the Janus Henderson Small Cap Value N Fund ranks as the most suitable among potential alternative investments for the American Beacon Fund. Based on the principles described herein, it is my opinion that the Janus Fund meets each of the relevant criteria as a potential replacement investment for the American Beacon Fund, including the quantitative criteria set forth above, as well as sufficient performance history, assets under management, and an absence of qualitative concerns. This conclusion is made pursuant to my objective alternative identification framework and is consistent with standard investment search practices in the retirement industry.

59. Turning next to the DFA Fund, it began to exhibit underperformance against its benchmark, MSCI ACWI ex USA SMID Value NR USD,<sup>53</sup> starting in Q4 2018 as indicated in

<sup>53</sup> See QUANTA Quarterly Investment Review for Q4 2018, QUANTA\_003084 at 194.

the three- and five-year time horizons prescribed by the IPS, as is readily observed in Table 11 below.

**TABLE 11: DFA v. Benchmark (Quarterly 3- and 5-Year Average Returns)**

Quarters	3-Year Annualized Return in %			5-Year Annualized Return in %			Average 3- 5 years (Over/Under) Performance
	DFA International Small Cap Value I	MSCI EAFE Small Cap Value-GD	(Over/Under) Performance	DFA International Small Cap Value I	MSCI EAFE Small Cap Value-GD	(Over/Under) Performance	
Q4 2018	1.96	4.85	(2.89)	0.93	1.35	(0.42)	(1.66)
Q1 2019	5.11	7.32	(2.21)	1.41	2.60	(1.19)	(1.70)
Q2 2019	6.29	8.25	(1.96)	1.05	1.77	(0.72)	(1.34)
Q3 2019	2.61	5.36	(2.75)	2.75	4.85	(2.10)	(2.43)
Q4 2019	5.90	9.26	(3.36)	5.93	7.76	(1.83)	(2.60)
% of Quarters in Which the Fund Underperformed			<b>100%</b>				<b>100%</b>
Average (Over/Under) Performance			<b>(2.63)</b>				<b>(1.94)</b>

60. Corroborating this underperformance, Table 12 below demonstrates that the DFA Fund's Information Ratios are negative for every three-year period and four of five five-year periods, failing the IPS watch list criteria for consistency of performance during the review period.

**TABLE 12: DFA v. Benchmark  
(Quarterly 3- and 5-Year Information Ratio)<sup>54</sup>**

Quarters	DFA International Small Cap Value I		
	3-Year Information Ratio	5-Year Information Ratio	Average 3 and 5 Year
Q4 2018	(0.81)	(0.10)	(0.46)
Q1 2019	(0.61)	(0.30)	(0.45)
Q2 2019	(0.55)	(0.17)	(0.36)
Q3 2019	(0.57)	(0.04)	(0.30)
Q4 2019	(0.66)	0.08	(0.29)
<b>Average</b>	<b>(0.64)</b>	<b>(0.11)</b>	<b>(0.37)</b>

61. Measured against its peers on an absolute return basis, as presented in the quarterly reporting provided to the Committee by its investment advisor, the DFA Fund failed to rank above the peer median over the three-year time horizon for any of those same five quarters of the review period.

<sup>54</sup> I have used the MSCI ACWI ex USA SMID Value NR USD as the benchmark.

**TABLE 13: DFA Peer Group Ranking  
(Quarterly 3- and 5-Year Performance)**

Quarters	DFA International Small Cap Value I		
	3-Year Percentile Rank	5-Year Percentile Rank	# Times Rank ≥50
Q4 2018	70	47	50%
Q1 2019	74	65	100%
Q2 2019	63	55	100%
Q3 2019	50	37	50%
Q4 2019	67	37	50%

62. The DFA Fund similarly failed the Alpha test on a peer-relative basis, as shown in Table 14 below, generating Alpha below that produced by the median peer fund in each quarter of the review period on both a three- and five-year basis.

**TABLE 14: DFA Peer Group Analysis  
(Quarterly 3-year and 5-year Alpha)<sup>55</sup>**

Quarters	3-Year Alpha			5-Year Alpha			3- 5 years Average (Over/Under) Performance
	DFA International Small Cap Value I	Foreign Small/Mid Value Peer Group Median	Above/Below Peers Median	DFA International Small Cap Value I	Foreign Small/Mid Value Peer Group Median	Above/Below Peers Median	
Q4 2018	(2.87)	(1.78)	(1.10)	(0.33)	(0.56)	0.23	(0.43)
Q1 2019	(2.46)	(0.29)	(2.17)	(1.08)	(0.66)	(0.41)	(1.29)
Q2 2019	(2.45)	(1.07)	(1.38)	(0.62)	(0.05)	(0.56)	(0.97)
Q3 2019	(2.10)	(1.01)	(1.09)	(0.06)	0.05	(0.11)	(0.60)
Q4 2019	(2.69)	(1.30)	(1.39)	0.36	0.45	(0.09)	(0.74)
% of Quarters in Which the Fund Underperformed			<b>100%</b>			<b>80%</b>	<b>100%</b>
Average (Over/Under) Performance			(1.43)			(0.19)	(0.81)

63. Accordingly, the DFA Fund met the standard for watch and ultimately, removal, pursuant to my objective investment monitoring framework based on an analysis of the benchmark and peer-relative indicators identified in the IPS. Following identification of the DFA Fund as being in breach of these performance standards as of the Fourth Quarter of 2018, the Committee, employing a reasonable monitoring framework, would have, through continued scrutiny of the fund, determined to remove and replace the DFA Fund in the Plan array no later than four quarters later, or by the end of the Fourth Quarter of 2019. Thus, I proceed with the scorecard analysis of an objective set of contemporaneous commonly used performance criteria and fund information available as of the Fourth Quarter of 2019 to identify a suitable alternative

<sup>55</sup> I have used Morningstar Direct to retrieve the list of peers as detailed in paragraph 63 and listed in Exhibit 10, and the 3-month US Treasury Bill as the Risk-Free rate.

to the DFA Fund. The array of potential alternative funds for the DFA Fund is considerably smaller than for the American Beacon Fund. This is reasonable and expected given the niche of International Small Cap Equity. I performed the replacement identification analysis of the peer category for the DFA Fund established in the quarterly reports, the Morningstar Foreign Small/Mid Value category, which consisted of 150 funds.<sup>56</sup> For the calculation of risk and return measures, I used the MSCI ACWI ex USA SMID Value NR USD as the benchmark, and the U.S. T-Bill 3-Month Average as the risk-free rate. A total of 7 funds met these criteria.<sup>57</sup>

64. The scorecard in Table 15 shows that the Schwab Fundamental International Small Equity Index has the highest average score across the six quarters culminating with replacement and is the highest scoring fund in all but one of the six quarters, in which it is the second highest scorer. Based on the principles described herein, it is my opinion that the Schwab Fund meets each of the relevant criteria as a potential replacement investment for the DFA Fund, including the quantitative criteria set forth above, as well as sufficient performance history, assets under management, and an absence of qualitative concerns. This conclusion is made pursuant to my objective alternative identification framework and is consistent with standard investment search practices in the retirement industry.

**TABLE 15: DFA Replacement Funds by Quarter Scorecard<sup>58</sup>**

Summary Score Q4 2018-Q4 2019			
	Total Score	Average Manager Tenure	AUM as of Q4 2019
Schwab Fundamental Intl Sm Eq Idx	390	3.08	\$ 798,948,343
Pear Tree Polaris Fgn Val Sm Cap R6	350	12.77	\$ 952,008,457
DFA International Vector Equity I	308	9.06	\$ 2,721,965,145
DFA World ex US Targeted Val Instl	218	8.17	\$ 570,637,481
Kopernik Global All-Cap I	237	6.33	\$ 990,032,969
Oakmark International Small Cap R6	153	16.5	\$ 1,583,188,171
Free Market International Eq Instl	164	10.75	\$ 2,407,509,325

<sup>56</sup> See Exhibit 10.

<sup>57</sup> See Exhibit 11.

<sup>58</sup> See Exhibit 12 for the dataset.

**TABLE 15: DFA Replacement Funds by Quarter Scorecard (cont.)**

Scorecard														
	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
Potential Alternative Funds		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q4 2018														
Schwab Fundamental Intl Sm Eq Idx	6	7	7	6	7	5	6	6	6	6	6	5	7	80
Pear Tree Polaris Fgn Val Sm Cap R6	1	5	6	5	6	3	7	3	7	4	7	4	6	64
Kopemik Global All-Cap I	3	1	1	7	1	7	3	7	4	7	5	7	4	57
DFA World ex US Targeted Val Instl	5	3	3	2	3	6	5	5	5	5	4	6	5	57
DFA International Vector Equity I	7	6	5	4	5	4	4	4	3	3	3	3	3	54
Free Market International Eq Instl	4	4	4	3	4	2	2	2	2	2	2	2	2	35
Oakmark International Small Cap R6	2	2	2	1	2	1	1	1	1	1	1	1	1	17
	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
Potential Alternative Funds		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q1 2019														
Schwab Fundamental Intl Sm Eq Idx	6	7	7	6	7	5	7	6	7	5	7	5	7	82
Pear Tree Polaris Fgn Val Sm Cap R6	1	6	6	5	6	6	6	5	6	6	6	6	6	71
DFA International Vector Equity I	7	5	5	4	5	4	4	4	4	4	4	4	3	57
Kopemik Global All-Cap I	3	1	1	7	1	7	2	7	3	7	3	7	5	54
DFA World ex US Targeted Val Instl	5	3	3	2	3	3	5	3	5	3	5	3	4	47
Free Market International Eq Instl	4	4	4	3	4	2	3	2	2	2	2	2	1	35
Oakmark International Small Cap R6	2	2	2	1	2	1	1	1	1	1	1	1	2	18
	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
Potential Alternative Funds		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q2 2019														
Pear Tree Polaris Fgn Val Sm Cap R6	1	6	6	5	6	7	6	7	6	7	6	7	6	76
Schwab Fundamental Intl Sm Eq Idx	6	5	7	6	7	3	7	5	7	4	7	2	7	73
DFA International Vector Equity I	7	3	5	4	5	6	5	6	5	5	4	6	5	66
DFA World ex US Targeted Val Instl	5	2	3	2	3	4	4	4	4	3	3	4	4	45
Kopemik Global All-Cap I	3	7	1	7	1	1	2	1	2	6	5	3	3	42
Oakmark International Small Cap R6	2	1	2	1	2	5	3	2	3	1	2	5	2	31
Free Market International Eq Instl	4	4	4	3	4	2	1	3	1	2	1	1	1	31
	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
Potential Alternative Funds		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q3 2019														
Schwab Fundamental Intl Sm Eq Idx	6	6	7	6	7	4	7	4	7	4	7	4	7	76
Pear Tree Polaris Fgn Val Sm Cap R6	1	5	6	5	6	7	6	7	6	7	6	6	6	74
DFA International Vector Equity I	7	3	5	4	5	6	4	6	5	6	3	7	5	66
Oakmark International Small Cap R6	2	1	2	1	2	5	5	5	4	5	4	5	4	45
Kopemik Global All-Cap I	3	7	1	7	1	1	2	1	2	1	5	3	3	37
Free Market International Eq Instl	4	4	4	3	4	3	1	3	1	3	1	2	1	34
DFA World ex US Targeted Val Instl	5	2	3	2	3	2	3	2	3	2	2	1	2	32
	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
Potential Alternative Funds		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q4 2019														
Schwab Fundamental Intl Sm Eq Idx	6	6	7	6	7	4	7	6	7	6	6	4	7	79
Pear Tree Polaris Fgn Val Sm Cap R6	1	5	6	5	6	7	2	7	5	7	5	7	2	65
DFA International Vector Equity I	7	4	5	4	5	5	4	5	6	5	4	5	6	65
Kopemik Global All-Cap I	3	7	1	7	2	1	6	1	4	1	7	2	5	47
Oakmark International Small Cap R6	2	1	2	1	1	6	5	4	3	4	3	6	4	42
DFA World ex US Targeted Val Instl	5	2	3	2	3	3	3	3	2	3	2	3	3	37
Free Market International Eq Instl	4	3	4	3	4	2	1	2	1	2	1	1	1	29
	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
Potential Alternative Funds		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q1 2020														
Schwab Fundamental Intl Sm Eq Idx	6	6	7	6	6	6	6	5	6	5	6	7	7	79
DFA International Vector Equity I	7	4	5	4	4	4	5	7	5	7	5	6	5	68
Kopemik Global All-Cap I	3	7	2	7	7	7	7	1	7	1	7	4	6	66
Pear Tree Polaris Fgn Val Sm Cap R6	1	5	6	5	5	5	4	6	4	6	4	5	4	60
Free Market International Eq Instl	4	3	4	3	3	3	2	3	2	3	2	2	2	36
DFA World ex US Targeted Val Instl	5	2	3	1	1	2	3	2	3	2	3	1	3	31
Oakmark International Small Cap R6	2	1	1	2	2	1	1	4	1	4	1	3	1	24

## V. CONCLUSIONS

65. Retention of the Freedom Funds was unreasonable under the circumstances of the Plan as early as the start of the Class Period in light of the funds' failure of well-established investment monitoring standards, such as return and risk-adjusted return relative to widely used benchmarks and peer investment comparisons, including those specified in the Plan's IPS.

66. Application of an objective investment monitoring and removal framework consistent with the Plan's IPS would have resulted in the removal and replacement of the Freedom Funds in the Plan no later than the First Quarter of 2017. The Committee failed to employ a monitoring framework consistent with these principles and, as an apparent consequence, failed to timely remove and replace the Freedom Funds while their retention was unreasonable under the circumstances of the Plan.

67. Application of an objective framework for the identification of a suitable alternative TDF suite to the Freedom Funds identified the American Funds TDFs as the most suitable alternative TDFs as of the Fourth Quarter of 2016, when the Freedom Funds would have been replaced pursuant to the objective investment monitoring and removal framework identified above.

68. Similarly, retention of the American Beacon Fund and the DFA Fund were individually and independently unreasonable under the circumstances of the Plan. Each of these funds failed to meet well-established investment monitoring standards, such as return and risk-adjusted return relative to widely used benchmarks and peer investment comparisons, including those specified in the Plan's IPS.

69. Application of an objective investment monitoring and removal framework consistent with the Plan's IPS would have resulted in the removal and replacement of both the American Beacon Fund and DFA Fund in the Plan no later than the First Quarter of 2020. The Committee failed to employ a monitoring framework consistent with these principles and, as an apparent consequence, failed to timely remove and replace both funds while their retention was unreasonable under the circumstances of the Plan.



70. Application of an objective framework for the identification of suitable alternative investments to the American Beacon Fund and DFA Fund, respectively, identified the Janus Henderson Small Cap Value N Fund as the most suitable alternative to the American Beacon Fund and the Schwab Fundamental International Small Cap Equity Index Fund as the most suitable alternative for the DFA Fund, both as of the Fourth Quarter of 2019, when the funds would have been replaced pursuant to the objective investment monitoring and removal framework described above.

August 1, 2024

Respectfully,

A handwritten signature in blue ink, appearing to read "Richard A. Marin", is written over a horizontal line.

Richard A. Marin

## **APPENDIX A**



**Richard A. Marin**

Managing Director

SEDA Experts, LLC

1185 Avenue of the Americas

New York, NY 10036

O. 646-626-4555 M. 917-861-1400

[rmarin@sedaexperts.com](mailto:rmarin@sedaexperts.com)

[www.sedaexperts.com](http://www.sedaexperts.com)

**SEDA Experts**, New York, NY Aug/2019 to Present

Managing Director

- Global consulting firm that provides independent advice, data analytics, and valuation services to corporations, government agencies, and regulatory bodies in the financial services industry.

**Low Emissions Resources Corporation**, New York, NY Jan/2018 to March/2021

Chief Executive Officer and Board Member

- Global venture-backed company involved in scientific R&D and commercialization focused on proprietary electrochemical synthesis of critical industrial chemicals including ammonia, hydrogen, and water as well as breakthrough ammonia fuel cell technology.

**New York Wheel LLC**, New York, NY Jan/2011 to Jan/2018

Founding Chief Executive Officer and Board Member

- Funded and approved (by NYC EDC and City Council) \$610 million project to build the world's largest observation wheel on New York Harbor. Stalled in litigation with major contractor after \$450MM in-the-ground.

**Ironwood Global, LLC**, New York, NY Feb/2011 to Aug/2012

President & Chief Executive Officer

- Asset management start-up that purchases defaulted residential mortgage NPL pools from HUD/FHA.
- Funded with \$1.5B but terminated without losses to LP's due to FHA asset sale realignment.

**Expert Witness in Securities Litigation**, New York, NY Sept/2011 to Present

- Specializing in Pension Funds, Securities Lending, Hedge Funds and Alternative Asset Classes.

**Africa Israel Investments (USA)**, New York, NY Dec/2008 to Dec/2010

Chairman & Chief Executive Officer

- Brought in to restructure and strategically realign this \$3B distressed real estate portfolio of trophy properties.
- Fixed errant partnerships and over-leveraged properties by selling and repurposing projects.
- Negotiated \$2.3B in commercial mortgages. Recaptured \$750MM of the \$1.1B written off by the company.

**Duff Capital**, New York, NY Feb/2008 to Oct/2008 - **Strategic Consultant**

**Bear Stearns Asset Management**, New York, NY June/2003 to Nov/2007

Chairman and Chief Executive Officer

- Successfully built this Asset Management subsidiary of Bear Stearns in the areas of traditional equity and fixed income asset management, hedge funds and private equity. Grew the business from \$19B in AUM to \$47B and from \$109MM in revenues to \$550MM with a 30+% pre-tax margin in 4 years.
- Resigned due to extreme losses in two CDO-related hedge funds, which were impacted by the subprime crisis.

**Beehive Ventures, LLC**, New York, NY Mar/2000 to present

Co-Founder and Partner

- Early stage venture capital fund specializing in financial services, media and knowledge management.
- Lead investor – Deutsche Bank (\$20MMM). Two meaningful realizations totaling 7X+ with two investments still to be harvested. Director of **eMarketer, Inc.**, which was the most significant exit and Chairman of **Restricted Stock Solutions, LLC**, which was a 3X exit.

**Deutsche Asset Management Inc.** (Merged with BTCo.), New York, NY Feb/1999 to Dec/2000

Chairman and Chief Executive Officer

- Responsible for merging and running the combined \$325 Billion asset management businesses in the U.S. for Deutsche Bank, Bankers Trust, Alex. Brown and Morgan Grenfell.
- Passive management, active U.S. equities and fixed income, international equities, quantitative equity strategies, hedge funds, alternative assets and mutual funds.

**Bankers Trust Company**, New York, NY June/1976 to June/1999

Member of the Management Committee of Bankers Trust, 1997-1999

Vice Chairman of BT Alex Brown, Head of Private Clients Division, 1997-1999

- 450 HNW brokers and 500 support staff in 22 offices managing \$90B in assets.

Head of Global Private Banking Division, 1994-1999

- Rebuilt the Global Private Banking and returned it to profitability and grew it at 12% p.a.
- Responsible for \$50B of Advisory and Trust relationships. Third largest personal Trust franchises in the U.S.
- Created a \$3B Alternative Assets area.

Created and Ran Global Retirement Services Department, 1992-1994

- Defined Benefits, Securities Lending and Defined Contribution businesses of BT.
- Leading securities lender with \$200B out on loan.
- Largest DC record keeper in the U.S. with 2MM participants and \$200B under administration.

Created and Ran Global Insurance Derivatives, 1990-1995

- Purchased the variable annuity business of Mutual Benefit in Rehabilitation (for \$11MM of debt previously contracted), built the franchise over 4 years and sold it to Equitable of Iowa for \$144MM.
- Created 6 onshore and offshore reinsurance operations and sold them on a bundled basis to Rhine Re and KKR.

Chairman & CEO, BT Bank of Canada, 1990-1992

- Grew this bank to a position of prominence in the Canadian capital markets. Toronto, Montreal and Calgary.

Head of Global Derivative Products, 1989-1990

- Global book-running, trading, analytics and operations of this 3-Continent franchise. One of BT's greatest and most profitable franchises and the market leader. 400 traders, 200 operations staff and 60 technologists.

Created and Ran Emerging Markets Department, 1986-1989

- Set up and grew the Deep Discount Debt Trading business of BT into market leadership.

Head of Latin American Merchant Banking, 1985-1986

- Responsible for \$4B of LDC debt. Initiated successful \$800MM Debt/Equity swapping activity.

Head of NYC Corporate Finance Division, 1984-1985

Founder and General Manager, BT Futures Corp., 1983-1984

Head of Marketing Division, World Corporate Department, 1982-1983

Team Leader, World Corporate Department, 1979-1982

Team Leader, Eastern Financial Institutions Group, 1977-1979

**Academia and Educational background**

**Cornell Johnson Graduate School of Management**, Ithaca, NY Aug/2007 to Aug/2017

**Clinical Professor of Finance** - Taught asset management (hedge funds and global pension management) to MBA's.

**Chairman Emeritus of the Advisory Council** (2010 – 2017), **Director of the Parker Center for Investment Research** (1998 – 2017), **Director of the Cayuga MBA Fund** (1998 – 2017), **Advisory Board of the Big Red Venture Fund** (2000 – 2017), **Advisory Board of Cornell Financial Engineering Center** (2007 – 2017), **Johnson Hall of Honor** (2003), **Foremost Benefactor and Builder of the University** (2001)

**University of San Diego**, San Diego, CA July/2020 to 2023 - **Professor of Finance** - Adjunct faculty member teaching Project Finance, Advanced Corporate Finance and Law, Policy & Ethics in the Graduate Business Program.

**Published work**

- *Global Pension Crisis: Unfunded Liabilities and How We Can Fund the Gap* (2013 - John Wiley & Sons, Forward by Robert Frank)
- *Mater Gladiatrix* (2017 – Lulu Press)
- *Gulag 401(k): Tales of a Modern Prisoner* (2018 – Lulu Press)
- *Jump First, Think Fast; An Unconventional Approach to High Performance* (2022 - Worth Books, by Frank J. O'Connell with Rich Marin)

**Cornell University** - M.B.A. Finance, Johnson Graduate School of Management (1976), B.A. Economics & Government, College of Arts & Sciences (1975)

**Other activities**

**Green Visor Capital LLC** - General Partner and Chairman Emeritus - FinTech venture capital (2013 - present)

- Successful multi-fund venture capital company with its first successful exit now announced.

**EXPERT WITNESS ASSIGNMENTS - AS OF 7/8/24**

- **Choate, Hall & Stewart**, PRIVATE PENSION FUND MANAGEMENT MATTER
  - Settled favorably for client Prior to trial
- **STICHTING PENSIOENFONDS YARA NEDERLAND - Plaintiff v. STATE STREET BANK AND TRUST COMPANY**, United States District Court, District of Massachusetts - October, 2011
  - Expert representing Plaintiff
  - Pension Fund - Investment Management (passive) - Hedge Funds - Securities lending - fiduciary obligations
  - Settled favorably for the plaintiff prior to trial
- **VARIOUS CLAIMANTS V. DST SYSTEMS, INC., THE ADVISORY COMMITTEE OF THE DST SYSTEMS, INC., 401(K) PROFIT SHARING PLAN, THE, THE COMPENSATION COMMITTEE OF THE BOARD OF DIRECTORS OF DST SYSTEMS, INC., RUANE CUNIFF & GOLDFARB, INC.**, American Arbitration Association - November, 2019 - September, 2021.
  - Expert representing Claimants
  - Pension fund - Investment Management - suitability - Prudent investing
  - Testimony in 477 individual cases grouped in arbitrations - favorably adjudicated for the claimants
- **TYNDARIS SAM - Claimant -and- MMWVWWM LIMITED - Defendant**, - IN THE HIGH COURT OF JUSTICE Claim No. CL-2018-000298, BUSINESS AND PROPERTY COURTS OF ENGLAND & WALES COMMERCIAL COURT (QBD) - January, 2020 - March, 2020
  - Expert representing claimant, who was also a defendant in the related counter-claim.
  - HEdge fund management - artificial intelligence investing, due diligence and investment management professionalism
  - Settled favorably for claimant prior to trial
- **JONATHAN D. SMIDT - Claimant v. KOHLBERG KRAVIS ROBERTS & CO. PARTNERS LLP (KKR EUROPE), KKR HOLDINGS L.P., KKR ASSOCIATES HOLDINGS L.P., AND KKR & CO., INC. - Respondents** - ARBITRATION PURSUANT TO THE RULES OF ARBITRATION OF THE INTERNATIONAL CHAMBER OF COMMERCE (ICC) - ICC Case No. 24553/MK - July, 2020 - October, 2020.
  - Expert representing claimant
  - Global private equity fundraising and valuation per damage claim
  - Testimony - adjudicated favorably for the claimant
- **IOWA PUBLIC EMPLOYEES' RETIREMENT SYSTEM, Los Angeles County Employees Retirement Association, Orange County Employees Retirement System, Sonoma County Employees' Retirement Association, and Torus Capital, LLC et al., - Plaintiffs, v. BANK OF AMERICA CORPORATION, et al., - Defendants**, - UNITED STATES DISTRICT COURT, SOUTHERN DISTRICT OF NEW YORK - MEMORANDUM OF LAW IN SUPPORT OF CLASS PLAINTIFFS' MOTION FOR CLASS CERTIFICATION AND APPOINTMENT OF CLASS COUNSEL - No. 17-cv-6221 (KPF) - August 2021 - September, 2021
  - Expert representing plaintiff
  - Securities lending
  - SETTLED FAVORABLY

- **Dennis Hansen, Leslie Hansen, Tyler Hansen, Noelle Hansen, Bradley Nelson, Jordan Nelson, Lindsey Valentini, Nicholas Valentini, and Mark Kramer - claimants v. UBS FINANCIAL SERVICES, INC. and ANDREW BURISH - respondents** - FINRA Arbitration November, 2021 - ONGOING
  - Expert representing claimants
  - Unsuitable and Risky Short Sell Strategy matter
  - FINRA arbitration testimony in MAY, 2023
  - PENDING FINAL ARGUMENTS IN NOVEMBER, 2023
- **WING CHUNG (SUSAN) YIP and MICHAEL DOHERTY - ClaimantS v. HSBC SECURITIES (USA) INC. - Respondents.** - FINANCIAL INDUSTRY REGULATORY AUTHORITY DISPUTE RESOLUTION - OCTOBER, 2020 - ONGOING
  - Expert representing claimants
  - UNJUST DISMISSAL FOR FUND COMPLIANCE, ISSUER DISCLOSURE, SUITABILITY AND SALES PRACTICE matter
  - SETTLED in OCTOBER, 2022
- **APOLLO ASSET MANAGEMENT, INC. (f/k/a APOLLO GLOBAL MANAGEMENT, INC.), APOLLO MANAGEMENT, L.P., APOLLO ADVISORS VIII, L.P., APOLLO ADVISORS IX, L.P., APOLLO MANAGEMENT HOLDINGS, L.P., and APOLLO INSURANCE SOLUTIONS GROUP LP (f/k/a ATHENE ASSET MANAGEMENT, L.P.), Plaintiffs, -against- STEPHEN CERNICH, and HUAN TSENG, Defendants.** - SUPREME COURT OF THE STATE OF NEW YORK COUNTY OF NEW YORK - OCTOBER, 2022 - ONGOING
  - Expert representing claimants
  - Aiding and abetting breach of fiduciary duty and fraud in the misappropriation of confidential documents
  - DEPOSITION GIVEN IN JANUARY, 2023, PENDING TRIAL
- **CWCAPITAL COBALT VR LTD., Plaintiff, v. CWCAPITAL INVESTMENTS LLC, and CWCAPITAL ASSET MANAGEMENT LLC, defendants** - SUPREME COURT OF THE STATE OF NEW YORK COUNTY OF NEW YORK - OCTOBER, 2019 - ONGOING
  - Expert representing defendants
  - Breach of contract, breach of fiduciary duty, Aiding and abetting breach of fiduciary duty and unjust enrichment
  - PENDING DEPOSITION
- **JOSHUA RUPNOW, PETER SZOSTAK, and all others similarly situated Plaintiffs, v. E\*TRADE SECURITIES, LLC., ), Defendant.** - UNITED STATES DISTRICT COURT SOUTHERN DISTRICT OF NEW YORK, class Action complaint - November, 2019 - APRIL, 2023
  - Expert representing plaintiffs
  - Breach of contract, on charges related to “hard-to-borrow” securities
  - SETTLED FAVORABLY
- **YOUNG CHO, (Individually and as Representative of a Class ) Civil Action No: 2:19-cv-19886 of Similarly Situated Persons, and on Behalf ) (JMV)(SCM) of the PRUDENTIAL EMPLOYEE SAVINGS 401(k) PLAN ) Plaintiff, v. THE PRUDENTIAL INSURANCE COMPANY OF AMERICA et al., ) Defendants.-** UNITED STATES DISTRICT COURT FOR THE DISTRICT OF NEW JERSEY - November 2019 – Ongoing - Civil Action No: 2:19-cv-19886 (JMV)(SCM)
  - Expert retained by plaintiffs
  - Breach of obligation to meet required fiduciary investment standards
  - Deposition given on 8/29/23
- **PETER TRAUERNICHT and ZACHARY WRIGHT, individually and as representatives of a class of similarly situated persons, on behalf of the GENWORTH FINANCIAL, INC. RETIREMENT AND SAVINGS PLAN; Plaintiffs, v. GENWORTH FINANCIAL, INC., et al; Defendants.** IN THE UNITED STATES DISTRICT COURT FOR THE EASTERN DISTRICT OF VIRGINIA January 2023 – Ongoing - Case No: 3:22-cv-00532-REP
  - Expert retained by Plaintiffs
  - Breach of obligation to meet required fiduciary investment standards
  - Deposition given on February 8, 2024
- **BLUEPRINT CAPITAL ADVISORS, LLC: Claimant, v. TIMOTHY WALSH, Respondent.** In the Matter of an Arbitration Between - AMERICAN ARBITRATION ASSOCIATION - COMMERCIAL ARBITRATION RULES - EXPEDITED PROCEDURES - Case No. 01-24-0000-4173 January 30, 2024
  - Expert retained by Defendant

- Ongoing
- MARY LALIBERTE and MARIE MCKNIGHT, individually and as representatives of a class of similarly situated persons, on behalf of the QUANTA SERVICES, INC. 401(K) SAVINGS PLAN; Plaintiffs, v. QUANTA SERVICES, INC.; THE BOARD OF TRUSTEES OF QUANTA SERVICES, INC.; THE QUANTA SERVICES, INC. 401(K) SAVINGS PLAN COMMITTEE; and DOES No.1-20, Whose Names Are Currently Unknown, Defendants. IN UNITED STATES DISTRICT COURT SOUTHERN DISTRICT OF TEXAS HOUSTON DIVISION – September 26, 2022 – Ongoing - Case No:
  - Expert retained by Plaintiffs
  - Breach of obligation to meet required fiduciary investment standards
  - Ongoing

**APPENDIX B**

**DOCUMENTS REVIEWED AND RELIED UPON**

1. Complaint
  - a. Class Action Complaint, September 26, 2022, (Dkt No. 1)
2. Service Agreements
  - a. Retirement Plan Advisory Services Agreement Between Quanta Services, Inc. and Ascende Wealth Advisors, Inc., Effective February 3, 2015, (QUANTA011500–QUANTA011521)
  - b. Service Agreement Between Quanta Services, Inc. and Prime Capital Investment Advisors, LLC (Qualified Plan Advisors), Effective March 3, 2018, (QUANTA124130–QUANTA124140)
3. Investment Policy Statements
  - a. Investment Policy Statement for Quanta Services, Inc. 401(k) Savings Plan, Effective October 2015, (QUANTA001404–QUANTA001421)
  - b. Investment Policy Statement for Quanta Services, Inc. 401(k) Savings Plan, Effective 2020, (QUANTA000909–QUANTA000930)
  - c. Investment Policy Statement for Quanta Services, Inc. 401(k) Savings Plan, Effective September 14, 2022, (QUANTA046513–QUANTA046535)
4. Quarterly Investment Reviews
  - a. 2015, Quarter 4, (QUANTA100812–QUANTA100878)
  - b. 2016, Quarter 1, (QUANTA120726–QUANTA120793)
  - c. 2016, Quarter 2, (QUANTA120799–QUANTA120866)
  - d. 2016, Quarter 3, (QUANTA120867–QUANTA120934)

- e. 2016, Quarter 4, (QUANTA120935–QUANTA121002)
- f. 2017, Quarter 1, (QUANTA002219–QUANTA002286)
- g. 2017, Quarter 2, (QUANTA002290–QUANTA002358)
- h. 2017, Quarter 3, (QUANTA002430–QUANTA002553)
- i. 2017, Quarter 4, (QUANTA002559–QUANTA002672)
- j. 2018, Quarter 1, (QUANTA002674–QUANTA002804)
- k. 2018, Quarter 2, (QUANTA002810–QUANTA002943)
- l. 2018, Quarter 3, (QUANTA002950–QUANTA003071)
- m. 2018, Quarter 4, (QUANTA003084–QUANTA003197)
- n. 2019, Quarter 1, (QUANTA003367–QUANTA003478)
- o. 2019, Quarter 2, (QUANTA003585–QUANTA003695)
- p. 2019, Quarter 3, (QUANTA003725–QUANTA003819)
- q. 2019, Quarter 4, (QUANTA003960–QUANTA004057)
- r. 2020, Quarter 1, (QUANTA004153–QUANTA004242)
- s. 2020, Quarter 2, (QUANTA004420–QUANTA004509)
- t. 2020, Quarter 3, (QUANTA004631–QUANTA004721)
- u. 2020, Quarter 4, (QUANTA004827–QUANTA004860)
- v. 2021, Quarter 1, (QUANTA005002–QUANTA005041)
- w. 2021, Quarter 2, (QUANTA005134–QUANTA005173)
- x. 2021, Quarter 3, (QUANTA005279–QUANTA005317)
- y. 2021, Quarter 4, (QUANTA005409–QUANTA005447)
- z. 2022, Quarter 1, (QUANTA005592–QUANTA005631)
- aa. 2022, Quarter 2, (QUANTA005743–QUANTA005787)



- bb. 2022, Quarter 3, (QUANTA005960–QUANTA006002)
- cc. 2022, Quarter 4, (QUANTA006125–QUANTA006168)
- dd. 2023, Quarter 1, (QUANTA006297–QUANTA006337)
- ee. 2023, Quarter 2, (QUANTA006452–QUANTA006493)
- ff. 2023, Quarter 3, (QUANTA006606–QUANTA006648)
- gg. 2023, Quarter 4, (QUANTA129016–QUANTA129067)
- hh. 2024, Quarter 1, (QUANTA128821–QUANTA128871)

5. Target Date Deep Dives

- a. 2016 Fidelity Freedom Funds Target Date Deep Dive, (QUANTA106738–QUANTA106761)
- b. 2018 Fidelity Target Date Suite Deep Dive, (QUANTA003295–QUANTA003314)
- c. 2019 Target Date Deep Dive, (QUANTA004058–QUANTA004070)
- d. 2020 Target Date Deep Dive, (QUANTA004861–QUANTA004874)
- e. 2022 Target Date Deep Dive, (QUANTA005448–QUANTA005463)
- f. 2023 Target Date Deep Dive, (QUANTA006169–QUANTA006184)

**Table 1** sourced from

- 2015 Quarter 4 Investment Review, (QUANTA100812–QUANTA100878)
- 2016 Quarter 1 Investment Review, (QUANTA120726–QUANTA120793)
- 2016 Quarter 2 Investment Review, (QUANTA120799–QUANTA120866)
- 2016 Quarter 3 Investment Review, (QUANTA120867–QUANTA120934)
- 2016 Quarter 4 Investment Review, (QUANTA120935–QUANTA121002)

**Table 2** sourced from

2015 Quarter 4 Investment Review, (QUANTA100812–QUANTA100878)

2016 Quarter 1 Investment Review, (QUANTA120726–QUANTA120793)

2016 Quarter 2 Investment Review, (QUANTA120799–QUANTA120866)

2016 Quarter 3 Investment Review, (QUANTA120867–QUANTA120934)

2016 Quarter 4 Investment Review, (QUANTA120935–QUANTA121002)

**Table 3** sourced from Morningstar Direct

**Table 4** sourced from Morningstar Direct

**Table 5** sourced from Morningstar Direct

**Table 6** sourced from Morningstar Direct

**Table 7** sourced from

2018 Quarter 4 Investment Review, (QUANTA003084–QUANTA003197)

2019 Quarter 1 Investment Review, (QUANTA003367–QUANTA003478)

2019 Quarter 2 Investment Review, (QUANTA003585–QUANTA003695)

2019 Quarter 3 Investment Review, (QUANTA003725–QUANTA003819)

2019 Quarter 4 Investment Review, (QUANTA003960–QUANTA004057)

**Table 8** sourced from Morningstar Direct

**Table 9** sourced from Morningstar Direct

**Table 10** sourced from Morningstar Direct

**Table 11** sourced from

2018 Quarter 4 Investment Review, (QUANTA003084–QUANTA003197)

2019 Quarter 1 Investment Review, (QUANTA003367–QUANTA003478)

2019 Quarter 2 Investment Review, (QUANTA003585–QUANTA003695)

2019 Quarter 3 Investment Review, (QUANTA003725–QUANTA003819)

2019 Quarter 4 Investment Review, (QUANTA003960–QUANTA004057)

**Table 12** sourced from Morningstar Direct

**Table 13** sourced from

2018 Quarter 4 Investment Review, (QUANTA003084–QUANTA003197)

2019 Quarter 1 Investment Review, (QUANTA003367–QUANTA003478)

2019 Quarter 2 Investment Review, (QUANTA003585–QUANTA003695)

2019 Quarter 3 Investment Review, (QUANTA003725–QUANTA003819)

2019 Quarter 4 Investment Review, (QUANTA003960–QUANTA004057)

**Table 14** sourced from Morningstar Direct

**Table 15** sourced from Morningstar Direct

# EXHIBIT 1

**Exhibit 1 - Deep Dive Peers Annualized Returns**

Source: Morningstar Direct

Fund Name	Ticker	Inception Date	[d]		[e]		[f]		[g]		[h]		[i]	
			Q4 2015 3 Years Annualized Return	Q1 2016 3 Years Annualized Return	Q2 2016 3 Years Annualized Return	Q3 2016 3 Years Annualized Return	Q4 2016 3 Years Annualized Return	Q1 2017 3 Years Annualized Return	Q2 2016 3 Years Annualized Return	Q3 2016 3 Years Annualized Return	Q4 2016 3 Years Annualized Return	Q1 2017 3 Years Annualized Return	Q2 2016 3 Years Annualized Return	Q3 2016 3 Years Annualized Return
[1] American Century One Choice 2015 Instl	ARNIX	8/31/2004	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[2] American Century One Choice 2020 I	N.A.	5/30/2008	5.95	4.91	5.60	5.38	3.83	4.36						
[3] American Century One Choice 2025 I	ARWFX	8/31/2004	6.49	5.30	5.95	5.71	3.99	4.65						
[4] American Century One Choice 2030 I	ARCSX	5/30/2008	7.19	5.74	6.25	6.01	4.20	4.98						
[5] American Century One Choice 2035 I	ARLIX	8/31/2004	8.01	6.21	6.59	6.33	4.42	5.35						
[6] American Century One Choice 2040 I	ARDSX	5/30/2008	8.65	6.60	6.95	6.69	4.63	5.64						
[7] American Century One Choice 2045 I	AOOIX	8/31/2004	9.17	6.98	7.28	7.01	4.86	6.02						
[8] American Century One Choice 2050 I	ARFSX	5/30/2008	9.36	7.08	7.33	7.10	4.91	6.16						
[9] American Century One Choice 2055 I	ARENX	3/31/2011	9.61	7.19	7.45	7.25	5.05	6.32						
[10] American Century One Choice 2060 I	ARGNX	9/30/2015	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[11] American Century One Choice In Ret I	ATTIX	8/31/2004	5.31	4.48	5.16	5.03	3.64	4.07						
[12] American Funds 2010 Trgt Date Retire R5	REATX	2/1/2007	5.96	5.51	6.44	5.83	4.34	4.77						
[13] American Funds 2015 Trgt Date Retire R5	REJTX	2/1/2007	6.97	6.26	7.01	6.19	4.43	5.00						
[14] American Funds 2020 Trgt Date Retire R5	RECTX	2/1/2007	8.21	7.04	7.54	6.61	4.56	5.31						
[15] American Funds 2025 Trgt Date Retire R5	REDTX	2/1/2007	9.75	7.95	8.26	7.05	4.62	5.66						
[16] American Funds 2030 Trgt Date Retire R5	REETX	2/1/2007	10.51	8.33	8.58	7.48	5.00	6.31						
[17] American Funds 2035 Trgt Date Retire R5	REFTX	2/1/2007	10.64	8.33	8.55	7.61	5.09	6.69						
[18] American Funds 2040 Trgt Date Retire R5	REGTX	2/1/2007	10.78	8.37	8.57	7.66	5.13	6.78						
[19] American Funds 2045 Trgt Date Retire R5	REHTX	2/1/2007	10.87	8.41	8.61	7.74	5.22	6.90						
[20] American Funds 2050 Trgt Date Retire R5	REITX	2/1/2007	10.86	8.40	8.61	7.73	5.25	6.94						
[21] American Funds 2055 Trgt Date Retire R5	REKTX	2/1/2010	10.79	8.36	8.56	7.70	5.23	6.95						
[22] American Funds 2060 Trgt Date Retire R5	REMTX	3/27/2015	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[23] BlackRock LifePath® Index 2020 K	N.A.	5/31/2011	5.59	4.86	5.99	5.53	3.97	4.58						
[24] BlackRock LifePath® Index 2025 K	LIBKX	5/31/2011	6.35	5.29	6.38	5.90	4.24	5.02						
[25] BlackRock LifePath® Index 2030 K	LINKX	5/31/2011	6.98	5.68	6.66	6.11	4.42	5.41						
[26] BlackRock LifePath® Index 2035 K	LIJX	5/31/2011	7.52	6.02	6.92	6.37	4.60	5.76						
[27] BlackRock LifePath® Index 2040 K	LIKX	5/31/2011	8.05	6.30	7.15	6.61	4.74	6.04						
[28] BlackRock LifePath® Index 2045 K	LIHKX	5/31/2011	8.59	6.63	7.42	6.83	4.84	6.25						
[29] BlackRock LifePath® Index 2050 K	LIPKX	5/31/2011	9.02	6.93	7.70	7.03	4.93	6.37						
[30] BlackRock LifePath® Index 2055 K	LIVKX	5/31/2011	9.53	7.28	8.02	7.21	5.01	6.45						
[31] BlackRock LifePath® Index 2060 K	LIZKX	2/29/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[32] BlackRock LifePath® Index Retire K	LIRKX	5/31/2011	4.34	4.06	5.37	5.04	3.72	4.22						
[33] Fidelity Freedom 2005	N.A.	11/6/2003	4.00	3.50	4.54	4.51	3.32	3.98						
[34] Fidelity Freedom 2010	FFFCX	10/17/1996	5.11	4.18	5.23	5.02	3.62	4.49						
[35] Fidelity Freedom 2015	FFVFX	11/6/2003	5.45	4.41	5.48	5.37	3.91	4.94						
[36] Fidelity Freedom 2020	FFFDX	10/17/1996	5.96	4.69	5.74	5.61	4.07	5.24						
[37] Fidelity Freedom 2025	FFTWX	11/6/2003	7.10	5.43	6.33	6.01	4.26	5.54						
[38] Fidelity Freedom 2030	FFEX	10/17/1996	7.61	5.67	6.46	6.32	4.49	6.13						
[39] Fidelity Freedom 2035	FFTHX	11/6/2003	8.39	6.08	6.72	6.45	4.66	6.49						
[40] Fidelity Freedom 2040	FFFFX	9/6/2000	8.50	6.15	6.78	6.46	4.65	6.48						
[41] Fidelity Freedom 2045	FFFGX	6/1/2006	8.70	6.28	6.86	6.53	4.67	6.50						
[42] Fidelity Freedom 2050	FFFHX	6/1/2006	8.75	6.30	6.89	6.52	4.66	6.48						
[43] Fidelity Freedom 2055	FDEEX	6/1/2011	9.00	6.45	7.06	6.57	4.64	6.50						
[44] Fidelity Freedom 2060	FDKVX	8/5/2014	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[45] Fidelity Freedom Income	FFAX	10/17/1996	2.66	2.58	3.68	3.80	2.85	3.30						
[46] JPMorgan SmartRetirement® 2015 R5	N.A.	5/15/2006	5.03	4.20	5.24	4.88	3.28	3.79						
[47] JPMorgan SmartRetirement® 2020 R5	JTTIX	5/15/2006	6.48	5.26	6.16	5.78	3.94	4.73						
[48] JPMorgan SmartRetirement® 2025 R5	JNSIX	7/31/2007	7.60	5.99	6.70	6.17	4.13	5.20						
[49] JPMorgan SmartRetirement® 2030 R5	JSMIX	5/15/2006	8.43	6.35	6.93	6.31	4.10	5.38						
[50] JPMorgan SmartRetirement® 2035 R5	SRJIX	7/31/2007	9.06	6.70	7.18	6.46	4.17	5.60						
[51] JPMorgan SmartRetirement® 2040 R5	SMTIX	5/15/2006	9.29	6.77	7.18	6.51	4.26	5.83						
[52] JPMorgan SmartRetirement® 2045 R5	JSAIX	7/31/2007	9.30	6.77	7.16	6.51	4.26	5.88						
[53] JPMorgan SmartRetirement® 2050 R5	JTSIX	7/31/2007	9.30	6.79	7.20	6.51	4.25	5.87						
[54] JPMorgan SmartRetirement® 2055 R5	JFFIX	1/31/2012	9.33	6.82	7.30	6.58	4.28	5.86						
[55] JPMorgan SmartRetirement® 2060 R5	JAKIX	8/31/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[56] JPMorgan SmartRetirement® Income R5	JSIIX	5/15/2006	3.95	3.45	4.58	4.44	3.09	3.63						
[57] JPMorgan SmartRetirement® Blend 2015 R6	N.A.	12/30/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[58] JPMorgan SmartRetirement® Blend 2020 R6	JSYRX	7/2/2012	6.08	5.22	6.36	5.89	4.09	4.82						
[59] JPMorgan SmartRetirement® Blend 2025 R6	JBYXS	7/2/2012	7.01	5.80	6.83	6.30	4.36	5.28						
[60] JPMorgan SmartRetirement® Blend 2030 R6	JRBYX	7/2/2012	7.76	6.25	7.18	6.57	4.57	5.70						
[61] JPMorgan SmartRetirement® Blend 2035 R6	JPYRX	7/2/2012	8.32	6.60	7.42	6.78	4.68	5.98						
[62] JPMorgan SmartRetirement® Blend 2040 R6	JOBXX	7/2/2012	8.58	6.75	7.58	6.87	4.79	6.24						
[63] JPMorgan SmartRetirement® Blend 2045 R6	JMYAX	7/2/2012	8.60	6.72	7.56	6.90	4.81	6.26						
[64] JPMorgan SmartRetirement® Blend 2050 R6	JNYAX	7/2/2012	8.59	6.75	7.55	6.85	4.78	6.24						
[65] JPMorgan SmartRetirement® Blend 2055 R6	JTYBX	7/2/2012	8.48	6.67	7.50	6.93	4.90	6.32						
[66] JPMorgan SmartRetirement® Blend 2060 R6	JAAYX	8/31/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[67] JPMorgan SmartRetirement® Blend Income R6	JYBX	7/2/2012	3.76	3.50	4.78	4.58	3.26	3.72						
[68] Manning & Napier Target 2010 I	MTHIX	3/28/2008	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[69] Manning & Napier Target 2015 I	N.A.	6/25/2012	3.96	2.81	3.98	3.38	1.03	1.68						
[70] Manning & Napier Target 2020 I	N.A.	3/28/2008	4.62	3.24	4.34	3.74	1.10	1.94						
[71] Manning & Napier Target 2025 I	N.A.	6/25/2012	5.63	3.80	4.94	4.20	1.28	2.26						
[72] Manning & Napier Target 2030 I	N.A.	3/28/2008	6.38	4.32	5.39	4.60	1.45	2.70						
[73] Manning & Napier Target 2035 I	N.A.	6/25/2012	7.11	4.85	5.80	4.92	1.55	3.00						
[74] Manning & Napier Target 2040 I	N.A.	3/28/2008	7.74	5.34	6.19	5.21	1.64	3.30						
[75] Manning & Napier Target 2045 I	N.A.	6/25/2012	8.04	5.69	6.51	5.47	1.79	3.63						
[76] Manning & Napier Target 2050 I	N.A.	3/28/2008	8.21	5.76	6.53	5.51	1.82	3.74						
[77] Manning & Napier Target 2055 I	N.A.	6/25/2012	8.11	5.60	6.35	5.47	1.68	3.59						
[78] Manning & Napier Target 2060 I	N.A.	9/21/2015	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[79] Manning & Napier Target Income I	N.A.	3/28/2008	2.94	2.35	3.58	3.48	1.82	2.24						
[80] MFS® Lifetime® 2010 I	N.A.	9/29/2005	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[81] MFS Lifetime 2015 I	N.A.	11/2/2012	3.55	3.36	4.61	N.A.	N.A.	N.A.						
[82] MFS Lifetime 2020 I	N.A.	9/29/2005	5.07	4.39	5.55	4.98	3.37	3.85						
[83] MFS Lifetime 2025 I	LTTIX	11/2/2012	6.85	5.44	6.56	5.67	3.79	4.53						
[84] MFS Lifetime 2030 I	MLTIX	9/29/2005	7.99	6.05	7.06	6.11	4.03	5.16						
[85] MFS Lifetime 2035 I	LFEDX	11/2/2012	8.67	6.43	7.36	6.30	4.16	5.51						
[86] MFS Lifetime 2040 I	MLFIX	9/29/2005	9.05	6.65	7.48	6.36	4.22	5.66						
[87] MFS Lifetime 2045 I	LTMKX	11/2/2012	9.05	6.62	7.48	6.34	4.38	5.83						

Fund Name	Ticker	Inception Date	[d]	[e]	[f]	[g]	[h]	[i]
			Q4 2015 3 Years Annualized Return	Q1 2016 3 Years Annualized Return	Q2 2016 3 Years Annualized Return	Q3 2016 3 Years Annualized Return	Q4 2016 3 Years Annualized Return	Q1 2017 3 Years Annualized Return
[88] MFS Lifetime 2050 I	MFFIX	9/15/2010	9.05	6.65	7.50	6.36	4.36	5.81
[89] MFS Lifetime 2055 I	LFIX	11/2/2012	9.11	6.64	7.45	6.36	4.17	5.62
[90] MFS Lifetime 2060 I	MFIX	12/6/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[91] MFS Lifetime Income I	MLLIX	9/29/2005	3.05	2.98	4.30	4.03	2.88	3.17
[92] Nuveen Lifecycle 2010 Retirement	TCELEX	10/15/2004	5.30	4.43	5.44	5.12	3.44	4.28
[93] Nuveen Lifecycle 2015 Retirement	TCLIX	10/15/2004	5.95	4.82	5.76	5.42	3.55	4.54
[94] Nuveen Lifecycle 2020 Retirement	TCLTX	10/15/2004	6.78	5.31	6.14	5.69	3.68	4.79
[95] Nuveen Lifecycle 2025 Retirement	TCLFX	10/15/2004	7.64	5.80	6.43	5.97	3.77	5.09
[96] Nuveen Lifecycle 2030 Retirement	TCLNX	10/15/2004	8.41	6.22	6.72	6.19	3.84	5.34
[97] Nuveen Lifecycle 2035 Retirement	TCLRX	10/15/2004	9.08	6.56	6.94	6.34	3.85	5.56
[98] Nuveen Lifecycle 2040 Retirement	TCLCX	10/15/2004	9.48	6.70	6.98	6.37	3.90	5.78
[99] Nuveen Lifecycle 2045 Retirement	TFRX	11/30/2007	9.48	6.70	6.93	6.40	3.92	5.91
[100] Nuveen Lifecycle 2050 Retirement	TFRX	11/30/2007	9.49	6.74	6.97	6.44	3.99	5.97
[101] Nuveen Lifecycle 2055 Retirement	TFRX	4/29/2011	9.49	6.74	6.94	6.42	4.05	6.02
[102] Nuveen Lifecycle 2060 Retirement	TFRX	9/26/2014	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[103] Putnam Retirement Ready 2010 Y	PRRGX	11/1/2004	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[104] Putnam Retirement Ready 2015 Y	N.A.	11/1/2004	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[105] Putnam Retirement Ready 2020 Y	PRRNX	11/1/2004	5.50	3.80	4.58	4.34	3.19	3.45
[106] Putnam Sustainable Retirement 2025 Y	PRRPX	11/1/2004	7.04	4.95	5.63	5.26	3.87	4.26
[107] Putnam Sustainable Retirement 2030 Y	PRRTX	11/1/2004	8.35	5.89	6.43	6.00	4.40	4.97
[108] Putnam Sustainable Retirement 2035 Y	PRRYX	11/1/2004	9.48	6.65	7.08	6.59	4.82	5.58
[109] Putnam Sustainable Retirement 2040 Y	PRZZX	11/1/2004	10.40	7.25	7.52	7.04	5.11	6.01
[110] Putnam Sustainable Retirement 2045 Y	PRVYX	11/1/2004	10.92	7.53	7.71	7.24	5.27	6.25
[111] Putnam Sustainable Retirement 2050 Y	PRRUX	5/2/2005	11.30	7.74	7.81	7.33	5.31	6.33
[112] Putnam Sustainable Retirement 2055 Y	PRTLX	11/30/2010	11.45	7.81	7.84	7.38	5.35	6.42
[113] Putnam Sustainable Retirement 2060 Y	PRTYX	11/30/2015	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[114] Putnam Sustainable Retirement Mat Y	PRMYX	11/1/2004	3.36	2.17	2.99	3.09	2.35	2.55
[115] T. Rowe Price Retirement 2005	TRREF	2/27/2004	4.48	4.13	5.34	5.07	3.52	4.10
[116] T. Rowe Price Retirement 2010	TRRAX	9/30/2002	5.26	4.68	5.79	5.43	3.72	4.42
[117] T. Rowe Price Retirement 2015	TRRGX	2/27/2004	6.46	5.49	6.40	5.88	3.98	4.87
[118] T. Rowe Price Retirement 2020	TRRBX	9/30/2002	7.52	6.14	6.91	6.29	4.19	5.33
[119] T. Rowe Price Retirement 2025	TRRHX	2/27/2004	8.47	6.78	7.33	6.64	4.35	5.72
[120] T. Rowe Price Retirement 2030	TRRCX	9/30/2002	9.28	7.27	7.68	6.91	4.52	6.07
[121] T. Rowe Price Retirement 2035	TRRJX	2/27/2004	9.87	7.62	7.86	7.05	4.56	6.31
[122] T. Rowe Price Retirement 2040	TRRDY	9/30/2002	10.23	7.78	7.92	7.13	4.61	6.46
[123] T. Rowe Price Retirement 2045	TRRKX	5/31/2005	10.22	7.78	7.94	7.13	4.62	6.54
[124] T. Rowe Price Retirement 2050	TRRMX	12/29/2006	10.23	7.79	7.92	7.11	4.65	6.52
[125] T. Rowe Price Retirement 2055	TRRNX	12/29/2006	10.21	7.78	7.94	7.13	4.64	6.53
[126] T. Rowe Price Retirement 2060	TRRLX	6/23/2014	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[127] Vanguard Target Retirement 2005 Inv	VTQVX	10/27/2003	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[128] Vanguard Target Retirement 2010 Inv	VTENX	6/7/2006	4.87	4.42	5.53	5.08	3.61	3.90
[129] Vanguard Target Retirement 2015 Fund	VTXVX	10/27/2003	6.22	5.29	6.22	5.71	4.04	4.58
[130] Vanguard Target Retirement 2020 Fund	VTWVX	6/7/2006	7.21	5.98	6.76	6.21	4.39	5.17
[131] Vanguard Target Retirement 2025 Fund	VTTVX	10/27/2003	7.88	6.33	7.04	6.46	4.53	5.48
[132] Vanguard Target Retirement 2030 Fund	VTTHX	6/7/2006	8.52	6.68	7.27	6.64	4.58	5.72
[133] Vanguard Target Retirement 2035 Fund	VTTHX	10/27/2003	9.16	7.00	7.50	6.80	4.66	5.95
[134] Vanguard Target Retirement 2040 Fund	VFORX	6/7/2006	9.46	7.11	7.54	6.84	4.66	6.14
[135] Vanguard Target Retirement 2045 Fund	VTIVX	10/27/2003	9.47	7.10	7.50	6.86	4.72	6.24
[136] Vanguard Target Retirement 2050 Fund	VFIEX	6/7/2006	9.47	7.09	7.52	6.85	4.72	6.24
[137] Vanguard Target Retirement 2055 Fund	VFFVX	8/18/2010	9.41	7.04	7.47	6.80	4.68	6.19
[138] Vanguard Target Retirement 2060 Fund	VTTSX	1/19/2012	9.42	7.05	7.47	6.81	4.67	6.19
[139] Vanguard Target Retirement Income Fund	VTINX	10/27/2003	3.71	3.64	4.93	4.68	3.50	3.80

Fund Name	Ticker	Inception Date	[j]		[k]		[l]		[m]		[n]		[o]	
			Q4 2015 5 Years Annualized Return	Q1 2016 5 Years Annualized Return	Q2 2016 5 Years Annualized Return	Q3 2016 5 Years Annualized Return	Q4 2016 5 Years Annualized Return	Q1 2017 5 Years Annualized Return	Q2 2017 5 Years Annualized Return	Q3 2017 5 Years Annualized Return	Q4 2017 5 Years Annualized Return	Q1 2018 5 Years Annualized Return	Q2 2018 5 Years Annualized Return	Q3 2018 5 Years Annualized Return
[1] American Century One Choice 2015 Instl	ARNIX	8/31/2004	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[2] American Century One Choice 2020 I	N.A.	5/30/2008	6.39	5.99	6.09	8.50	7.10	6.33						
[3] American Century One Choice 2025 I	ARWFX	8/31/2004	6.71	6.26	6.38	9.10	7.62	6.77						
[4] American Century One Choice 2030 I	ARCSX	5/30/2008	7.12	6.57	6.70	9.78	8.24	7.30						
[5] American Century One Choice 2035 I	ARLIX	8/31/2004	7.61	6.93	7.07	10.52	8.90	7.87						
[6] American Century One Choice 2040 I	ARDSX	5/30/2008	8.02	7.25	7.40	11.23	9.53	8.40						
[7] American Century One Choice 2045 I	AOOIX	8/31/2004	8.33	7.50	7.67	11.78	10.02	8.86						
[8] American Century One Choice 2050 I	ARFSX	5/30/2008	8.44	7.57	7.75	12.03	10.21	9.04						
[9] American Century One Choice 2055 I	ARENX	3/31/2011	N.A.	7.70	7.89	12.25	10.42	9.26						
[10] American Century One Choice 2060 I	ARGNX	9/30/2015	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[11] American Century One Choice In Ret I	ATTIX	8/31/2004	5.99	5.68	5.74	7.69	6.46	5.83						
[12] American Funds 2010 Trgt Date Retire R5	REATX	2/1/2007	6.39	6.37	6.60	8.29	7.12	6.70						
[13] American Funds 2015 Trgt Date Retire R5	REJTX	2/1/2007	6.89	6.79	7.06	9.22	7.98	7.37						
[14] American Funds 2020 Trgt Date Retire R5	RECTX	2/1/2007	7.67	7.37	7.60	10.33	8.91	8.16						
[15] American Funds 2025 Trgt Date Retire R5	REDTX	2/1/2007	8.61	8.10	8.41	11.96	10.36	9.32						
[16] American Funds 2030 Trgt Date Retire R5	REETX	2/1/2007	9.06	8.37	8.70	12.71	11.10	10.09						
[17] American Funds 2035 Trgt Date Retire R5	REFTX	2/1/2007	9.08	8.33	8.64	12.87	11.24	10.38						
[18] American Funds 2040 Trgt Date Retire R5	REGTX	2/1/2007	9.16	8.36	8.68	13.03	11.40	10.53						
[19] American Funds 2045 Trgt Date Retire R5	REHTX	2/1/2007	9.21	8.36	8.70	13.08	11.47	10.61						
[20] American Funds 2050 Trgt Date Retire R5	REITX	2/1/2007	9.20	8.38	8.71	13.09	11.49	10.63						
[21] American Funds 2055 Trgt Date Retire R5	REKTX	2/1/2010	9.17	8.34	8.67	13.06	11.45	10.61						
[22] American Funds 2060 Trgt Date Retire R5	REMTX	3/27/2015	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[23] BlackRock LifePath® Index 2020 K	N.A.	5/31/2011	N.A.	N.A.	5.85	8.34	6.86	6.17						
[24] BlackRock LifePath® Index 2025 K	LIBKX	5/31/2011	N.A.	N.A.	6.17	9.18	7.63	6.82						
[25] BlackRock LifePath® Index 2030 K	LINKX	5/31/2011	N.A.	N.A.	6.42	9.87	8.28	7.40						
[26] BlackRock LifePath® Index 2035 K	LIJXX	5/31/2011	N.A.	N.A.	6.65	10.51	8.85	7.91						
[27] BlackRock LifePath® Index 2040 K	LIKXX	5/31/2011	N.A.	N.A.	6.88	11.15	9.42	8.42						
[28] BlackRock LifePath® Index 2045 K	LIHXX	5/31/2011	N.A.	N.A.	7.03	11.68	9.89	8.81						
[29] BlackRock LifePath® Index 2050 K	LIPXX	5/31/2011	N.A.	N.A.	7.25	12.25	10.33	9.11						
[30] BlackRock LifePath® Index 2055 K	LIVXX	5/31/2011	N.A.	N.A.	7.49	12.67	10.71	9.43						
[31] BlackRock LifePath® Index 2060 K	LIZXX	2/29/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[32] BlackRock LifePath® Index Retire K	LIRXX	5/31/2011	N.A.	N.A.	5.32	6.80	5.58	5.23						
[33] Fidelity Freedom 2005	N.A.	11/6/2003	4.17	3.85	4.17	6.27	5.33	4.87						
[34] Fidelity Freedom 2010	FFFCX	10/17/1996	5.04	4.59	4.90	7.49	6.42	5.83						
[35] Fidelity Freedom 2015	FFVFX	11/6/2003	5.28	4.75	5.10	7.82	6.80	6.26						
[36] Fidelity Freedom 2020	FFFDX	10/17/1996	5.58	4.91	5.30	8.50	7.36	6.72						
[37] Fidelity Freedom 2025	FFTXX	11/6/2003	6.24	5.42	5.85	9.62	8.36	7.52						
[38] Fidelity Freedom 2030	FFEXX	10/17/1996	6.49	5.53	5.97	10.09	8.86	8.12						
[39] Fidelity Freedom 2035	FFTHX	11/6/2003	6.82	5.70	6.19	10.89	9.63	8.77						
[40] Fidelity Freedom 2040	FFFFX	9/6/2000	6.89	5.75	6.25	11.00	9.70	8.84						
[41] Fidelity Freedom 2045	FFFGX	6/1/2006	6.96	5.81	6.33	11.22	9.86	8.95						
[42] Fidelity Freedom 2050	FFFHX	6/1/2006	6.92	5.73	6.27	11.39	9.96	8.97						
[43] Fidelity Freedom 2055	FFDEE	6/1/2011	N.A.	N.A.	6.43	11.58	10.15	9.12						
[44] Fidelity Freedom 2060	FDKVX	8/5/2014	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[45] Fidelity Freedom Income	FFFAX	10/17/1996	3.27	3.19	3.43	4.59	3.89	3.73						
[46] JPMorgan SmartRetirement® 2015 R5	N.A.	5/15/2006	5.52	5.17	5.36	7.98	6.53	5.61						
[47] JPMorgan SmartRetirement® 2020 R5	JTTIX	5/15/2006	6.54	6.07	6.26	9.52	7.92	6.88						
[48] JPMorgan SmartRetirement® 2025 R5	JNSIX	7/31/2007	7.14	6.54	6.75	10.67	8.95	7.75						
[49] JPMorgan SmartRetirement® 2030 R5	JSMIX	5/15/2006	7.48	6.70	6.95	11.46	9.67	8.35						
[50] JPMorgan SmartRetirement® 2035 R5	SRJIX	7/31/2007	7.88	6.99	7.24	12.18	10.29	8.87						
[51] JPMorgan SmartRetirement® 2040 R5	SMTIX	5/15/2006	8.01	7.05	7.30	12.34	10.52	9.16						
[52] JPMorgan SmartRetirement® 2045 R5	JSAIX	7/31/2007	8.06	7.10	7.33	12.34	10.55	9.21						
[53] JPMorgan SmartRetirement® 2050 R5	JTSIX	7/31/2007	8.03	7.07	7.33	12.35	10.53	9.17						
[54] JPMorgan SmartRetirement® 2055 R5	JFFIX	1/31/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[55] JPMorgan SmartRetirement® 2060 R5	JAKIX	8/31/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[56] JPMorgan SmartRetirement® Income R5	JSIIX	5/15/2006	4.62	4.45	4.65	6.56	5.45	4.88						
[57] JPMorgan SmartRetirement® Blend 2015 R6	N.A.	12/30/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[58] JPMorgan SmartRetirement® Blend 2020 R6	JSYRX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[59] JPMorgan SmartRetirement® Blend 2025 R6	JBYRX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[60] JPMorgan SmartRetirement® Blend 2030 R6	JRBYX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[61] JPMorgan SmartRetirement® Blend 2035 R6	JPYRX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[62] JPMorgan SmartRetirement® Blend 2040 R6	JOBXX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[63] JPMorgan SmartRetirement® Blend 2045 R6	JMYAX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[64] JPMorgan SmartRetirement® Blend 2050 R6	JNYAX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[65] JPMorgan SmartRetirement® Blend 2055 R6	JTYBX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[66] JPMorgan SmartRetirement® Blend 2060 R6	JAAYX	8/31/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[67] JPMorgan SmartRetirement® Blend Income R6	JYBX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[68] Manning & Napier Target 2010 I	MTHIX	3/28/2008	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[69] Manning & Napier Target 2015 I	N.A.	6/25/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[70] Manning & Napier Target 2020 I	N.A.	3/28/2008	5.07	4.65	4.89	7.94	5.96	5.55						
[71] Manning & Napier Target 2025 I	N.A.	6/25/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[72] Manning & Napier Target 2030 I	N.A.	3/28/2008	6.19	5.64	6.01	9.80	7.55	7.29						
[73] Manning & Napier Target 2035 I	N.A.	6/25/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[74] Manning & Napier Target 2040 I	N.A.	3/28/2008	6.22	5.70	6.29	11.33	8.72	8.09						
[75] Manning & Napier Target 2045 I	N.A.	6/25/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[76] Manning & Napier Target 2050 I	N.A.	3/28/2008	6.54	6.07	6.64	11.72	9.12	8.63						
[77] Manning & Napier Target 2055 I	N.A.	6/25/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[78] Manning & Napier Target 2060 I	N.A.	9/21/2015	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[79] Manning & Napier Target Income I	N.A.	3/28/2008	4.07	4.07	4.20	5.47	4.41	4.28						
[80] MFS® Lifetime® 2010 I	N.A.	9/29/2005	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[81] MFS Lifetime 2015 I	N.A.	11/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[82] MFS Lifetime 2020 I	N.A.	9/29/2005	5.71	5.50	5.75	8.19	6.80	5.90						
[83] MFS Lifetime 2025 I	LTTIX	11/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[84] MFS Lifetime 2030 I	MLTIX	9/29/2005	7.35	6.76	7.21	11.34	9.76	8.49						
[85] MFS Lifetime 2035 I	LFEDX	11/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						
[86] MFS Lifetime 2040 I	MLFIX	9/29/2005	7.86	7.12	7.57	12.17	10.57	9.27						
[87] MFS Lifetime 2045 I	LTMKX	11/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.						

			[a]		[b]		[c]		[d]		[e]		[f]		[g]		[h]		[i]	
			Fund Name		Ticker		Inception Date		Q4 2015 5 Years Annualized Return		Q1 2016 5 Years Annualized Return		Q2 2016 5 Years Annualized Return		Q3 2016 5 Years Annualized Return		Q4 2016 5 Years Annualized Return		Q1 2017 5 Years Annualized Return	
[88]	MFS Lifetime 2050 I	MFFIX					9/15/2010		7.92		7.20		7.64		12.16		10.66		9.36	
[89]	MFS Lifetime 2055 I	LFIX					11/2/2012		N.A.		N.A.		N.A.		N.A.		N.A.		N.A.	
[90]	MFS Lifetime 2060 I	MFIX					12/6/2016		N.A.		N.A.		N.A.		N.A.		N.A.		N.A.	
[91]	MFS Lifetime Income I	MLLIX					9/29/2005		4.30		4.34		4.50		5.63		4.70		4.27	
[92]	Nuveen Lifecycle 2010 Retirement	TCLX					10/15/2004		5.87		5.48		5.59		8.05		6.79		6.06	
[93]	Nuveen Lifecycle 2015 Retirement	TCLX					10/15/2004		6.25		5.73		5.88		8.78		7.41		6.56	
[94]	Nuveen Lifecycle 2020 Retirement	TCLX					10/15/2004		6.72		6.06		6.25		9.64		8.17		7.19	
[95]	Nuveen Lifecycle 2025 Retirement	TCLX					10/15/2004		7.18		6.37		6.57		10.49		8.93		7.84	
[96]	Nuveen Lifecycle 2030 Retirement	TCLX					10/15/2004		7.60		6.63		6.84		11.27		9.66		8.43	
[97]	Nuveen Lifecycle 2035 Retirement	TCLX					10/15/2004		7.94		6.81		7.05		11.97		10.27		8.93	
[98]	Nuveen Lifecycle 2040 Retirement	TCLX					10/15/2004		8.16		6.95		7.19		12.28		10.62		9.33	
[99]	Nuveen Lifecycle 2045 Retirement	TFRX					11/30/2007		8.14		6.95		7.17		12.30		10.64		9.40	
[100]	Nuveen Lifecycle 2050 Retirement	TFRX					11/30/2007		8.16		6.97		7.19		12.30		10.68		9.43	
[101]	Nuveen Lifecycle 2055 Retirement	TFRX					4/29/2011		N.A.		N.A.		7.20		12.36		10.72		9.48	
[102]	Nuveen Lifecycle 2060 Retirement	TFRX					9/26/2014		N.A.		N.A.		N.A.		N.A.		N.A.		N.A.	
[103]	Putnam Retirement Ready 2010 Y	PRRGX					11/1/2004		N.A.		N.A.		N.A.		N.A.		N.A.		N.A.	
[104]	Putnam Retirement Ready 2015 Y	N.A.					11/1/2004		N.A.		N.A.		N.A.		N.A.		N.A.		N.A.	
[105]	Putnam Retirement Ready 2020 Y	PRRNX					11/1/2004		5.22		4.35		4.63		6.84		6.08		5.24	
[106]	Putnam Sustainable Retirement 2025 Y	PRRPX					11/1/2004		6.28		5.30		5.62		8.55		7.58		6.52	
[107]	Putnam Sustainable Retirement 2030 Y	PRRTX					11/1/2004		7.11		6.03		6.36		10.10		8.93		7.68	
[108]	Putnam Sustainable Retirement 2035 Y	PRRYX					11/1/2004		7.88		6.70		7.06		11.37		10.04		8.67	
[109]	Putnam Sustainable Retirement 2040 Y	PRZZX					11/1/2004		8.50		7.25		7.57		12.27		10.82		9.39	
[110]	Putnam Sustainable Retirement 2045 Y	PRVYX					11/1/2004		8.83		7.50		7.80		12.69		11.20		9.76	
[111]	Putnam Sustainable Retirement 2050 Y	PRRX					5/2/2005		9.06		7.68		7.93		12.99		11.44		9.96	
[112]	Putnam Sustainable Retirement 2055 Y	PRTLX					11/30/2010		8.90		7.48		7.72		13.00		11.54		10.07	
[113]	Putnam Sustainable Retirement 2060 Y	PRTYX					11/30/2015		N.A.		N.A.		N.A.		N.A.		N.A.		N.A.	
[114]	Putnam Sustainable Retirement Mat Y	PRMYX					11/1/2004		3.43		2.78		3.02		4.31		4.01		3.58	
[115]	T. Rowe Price Retirement 2005	TRRF					2/27/2004		5.20		5.01		5.27		7.65		6.27		5.59	
[116]	T. Rowe Price Retirement 2010	TRRX					9/30/2002		5.68		5.42		5.71		8.50		7.03		6.19	
[117]	T. Rowe Price Retirement 2015	TRRGX					2/27/2004		6.48		6.04		6.32		9.62		8.06		7.05	
[118]	T. Rowe Price Retirement 2020	TRRBX					9/30/2002		7.15		6.52		6.84		10.65		8.96		7.87	
[119]	T. Rowe Price Retirement 2025	TRRHX					2/27/2004		7.71		6.95		7.24		11.49		9.75		8.58	
[120]	T. Rowe Price Retirement 2030	TRRCX					9/30/2002		8.21		7.29		7.60		12.24		10.43		9.18	
[121]	T. Rowe Price Retirement 2035	TRRJX					2/27/2004		8.53		7.49		7.77		12.72		10.87		9.60	
[122]	T. Rowe Price Retirement 2040	TRRD					9/30/2002		8.73		7.63		7.88		12.98		11.12		9.88	
[123]	T. Rowe Price Retirement 2045	TRRKX					5/31/2005		8.74		7.64		7.91		12.97		11.14		9.92	
[124]	T. Rowe Price Retirement 2050	TRRMX					12/29/2006		8.76		7.65		7.90		12.96		11.14		9.91	
[125]	T. Rowe Price Retirement 2055	TRRNX					12/29/2006		8.76		7.64		7.91		12.95		11.14		9.91	
[126]	T. Rowe Price Retirement 2060	TRRLX					6/23/2014		N.A.		N.A.		N.A.		N.A.		N.A.		N.A.	
[127]	Vanguard Target Retirement 2005 Inv	VTOVX					10/27/2003		N.A.		N.A.		N.A.		N.A.		N.A.		N.A.	
[128]	Vanguard Target Retirement 2010 Inv	VTENX					6/7/2006		5.60		5.45		5.55		7.28		5.97		5.32	
[129]	Vanguard Target Retirement 2015 Fund	VTXVX					10/27/2003		6.31		6.02		6.17		8.61		7.22		6.45	
[130]	Vanguard Target Retirement 2020 Fund	VTWNX					6/7/2006		6.85		6.45		6.67		9.63		8.17		7.34	
[131]	Vanguard Target Retirement 2025 Fund	VTTVX					10/27/2003		7.22		6.70		6.95		10.39		8.86		7.94	
[132]	Vanguard Target Retirement 2030 Fund	VTHRX					6/7/2006		7.59		6.93		7.21		11.12		9.50		8.50	
[133]	Vanguard Target Retirement 2035 Fund	VTHX					10/27/2003		7.92		7.14		7.44		11.83		10.15		9.05	
[134]	Vanguard Target Retirement 2040 Fund	VFORX					6/7/2006		8.11		7.28		7.57		12.13		10.51		9.43	
[135]	Vanguard Target Retirement 2045 Fund	VTIVX					10/27/2003		8.13		7.27		7.56		12.14		10.54		9.50	
[136]	Vanguard Target Retirement 2050 Fund	VFIFX					6/7/2006		8.12		7.26		7.56		12.14		10.54		9.50	
[137]	Vanguard Target Retirement 2055 Fund	VFFVX					8/18/2010		8.15		7.28		7.58		12.13		10.51		9.47	
[138]	Vanguard Target Retirement 2060 Fund	VTTSX					1/19/2012		N.A.		N.A.		N.A.		N.A.		N.A.		9.53	
[139]	Vanguard Target Retirement Income Fund	VTINX					10/27/2003		4.91		4.95		4.98		5.94		4.91		4.61	



# EXHIBIT 2

**Exhibit 2 - Deep Dive Peers Annualized Alpha**

Source: Morningstar Direct

[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]
Fund Name	Ticker	Inception Date	Q4 2015 3 Years Annualized Alpha	Q1 2016 3 Years Annualized Alpha	Q2 2016 3 Years Annualized Alpha	Q3 2016 3 Years Annualized Alpha	Q4 2016 3 Years Annualized Alpha	Q1 2017 3 Years Annualized Alpha
[1] American Century One Choice 2015 Instl	ARNIX	8/31/2004	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[2] American Century One Choice 2020 I	N.A.	5/30/2008	0.15	0.07	0.06	0.28	0.05	(0.07)
[3] American Century One Choice 2025 I	ARWFX	8/31/2004	0.28	0.24	0.29	0.53	0.17	0.08
[4] American Century One Choice 2030 I	ARCSX	5/30/2008	0.44	0.34	0.32	0.62	0.24	0.17
[5] American Century One Choice 2035 I	ARLIX	8/31/2004	0.72	0.46	0.36	0.68	0.28	0.23
[6] American Century One Choice 2040 I	ARDSX	5/30/2008	0.85	0.53	0.41	0.77	0.30	0.25
[7] American Century One Choice 2045 I	AOOIX	8/31/2004	0.89	0.56	0.42	0.82	0.34	0.31
[8] American Century One Choice 2050 I	ARFSX	5/30/2008	0.88	0.52	0.38	0.84	0.35	0.32
[9] American Century One Choice 2055 I	ARENX	3/31/2011	0.96	0.51	0.39	0.90	0.44	0.35
[10] American Century One Choice 2060 I	ARGNX	9/30/2015	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[11] American Century One Choice In Ret I	ATTIX	8/31/2004	0.66	(0.02)	(1.03)	(0.91)	(0.66)	(0.54)
[12] American Funds 2010 Trgt Date Retire R5	REATX	2/1/2007	0.68	0.86	0.63	0.38	0.36	0.31
[13] American Funds 2015 Trgt Date Retire R5	REJTX	2/1/2007	0.98	1.27	1.11	0.84	0.51	0.57
[14] American Funds 2020 Trgt Date Retire R5	RECTX	2/1/2007	1.43	1.57	1.30	1.03	0.49	0.63
[15] American Funds 2025 Trgt Date Retire R5	REDTX	2/1/2007	1.88	1.81	1.40	1.00	0.27	0.55
[16] American Funds 2030 Trgt Date Retire R5	REETX	2/1/2007	1.79	1.51	1.12	0.82	0.20	0.49
[17] American Funds 2035 Trgt Date Retire R5	REFTX	2/1/2007	1.60	1.28	0.92	0.76	0.16	0.56
[18] American Funds 2040 Trgt Date Retire R5	REGTX	2/1/2007	1.70	1.33	1.03	0.91	0.25	0.64
[19] American Funds 2045 Trgt Date Retire R5	REHTX	2/1/2007	1.76	1.37	1.13	1.03	0.37	0.71
[20] American Funds 2050 Trgt Date Retire R5	REITX	2/1/2007	1.78	1.41	1.22	1.15	0.50	0.81
[21] American Funds 2055 Trgt Date Retire R5	REKTX	2/1/2010	1.76	1.41	1.25	1.22	0.56	0.86
[22] American Funds 2060 Trgt Date Retire R5	REMTX	3/27/2015	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[23] BlackRock LifePath® Index 2020 K	N.A.	5/31/2011	(0.28)	(0.03)	0.44	0.44	0.17	0.09
[24] BlackRock LifePath® Index 2025 K	LIBKX	5/31/2011	(0.26)	(0.11)	0.36	0.40	0.17	0.09
[25] BlackRock LifePath® Index 2030 K	LINKX	5/31/2011	(0.45)	(0.33)	0.08	0.12	(0.02)	(0.06)
[26] BlackRock LifePath® Index 2035 K	LIJX	5/31/2011	(0.49)	(0.44)	(0.06)	0.01	(0.11)	(0.15)
[27] BlackRock LifePath® Index 2040 K	LIKX	5/31/2011	(0.56)	(0.61)	(0.27)	(0.15)	(0.26)	(0.32)
[28] BlackRock LifePath® Index 2045 K	LIHKX	5/31/2011	(0.38)	(0.48)	(0.18)	(0.06)	(0.24)	(0.28)
[29] BlackRock LifePath® Index 2050 K	LIPKX	5/31/2011	(0.18)	(0.30)	0.04	0.15	(0.12)	(0.17)
[30] BlackRock LifePath® Index 2055 K	LIVKX	5/31/2011	0.07	(0.07)	0.28	0.32	(0.01)	(0.08)
[31] BlackRock LifePath® Index 2060 K	LIZKX	2/29/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[32] BlackRock LifePath® Index Retire K	LIRKX	5/31/2011	(0.06)	(0.18)	(0.30)	(0.37)	(0.30)	(0.14)
[33] Fidelity Freedom 2005	N.A.	11/6/2003	(0.32)	(0.49)	(0.49)	(0.36)	(0.33)	(0.14)
[34] Fidelity Freedom 2010	FFFCX	10/17/1996	(0.16)	(0.63)	(0.82)	(0.76)	(0.65)	(0.32)
[35] Fidelity Freedom 2015	FFVFX	11/6/2003	(0.57)	(0.90)	(0.84)	(0.69)	(0.61)	(0.26)
[36] Fidelity Freedom 2020	FFFDX	10/17/1996	(0.63)	(0.96)	(0.77)	(0.57)	(0.54)	(0.19)
[37] Fidelity Freedom 2025	FFTWX	11/6/2003	(0.34)	(0.72)	(0.59)	(0.42)	(0.48)	(0.14)
[38] Fidelity Freedom 2030	FFEX	10/17/1996	(0.79)	(1.20)	(1.14)	(0.81)	(0.76)	(0.29)
[39] Fidelity Freedom 2035	FFTHX	11/6/2003	(0.62)	(1.18)	(1.21)	(0.91)	(0.78)	(0.30)
[40] Fidelity Freedom 2040	FFFFX	9/6/2000	(0.48)	(1.01)	(0.97)	(0.70)	(0.63)	(0.21)
[41] Fidelity Freedom 2045	FFFGX	6/1/2006	(0.28)	(0.81)	(0.75)	(0.47)	(0.48)	(0.10)
[42] Fidelity Freedom 2050	FFFHX	6/1/2006	(0.29)	(0.79)	(0.65)	(0.37)	(0.41)	(0.08)
[43] Fidelity Freedom 2055	FDEEX	6/1/2011	(0.05)	(0.62)	(0.42)	(0.21)	(0.31)	0.03
[44] Fidelity Freedom 2060	FDKVX	8/5/2014	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[45] Fidelity Freedom Income	FFFAX	10/17/1996	(0.28)	(0.38)	(0.31)	(0.17)	(0.16)	0.00
[46] JPMorgan SmartRetirement® 2015 R5	N.A.	5/15/2006	(0.23)	(0.30)	(0.02)	0.02	(0.30)	(0.27)
[47] JPMorgan SmartRetirement® 2020 R5	JTTIX	5/15/2006	(0.02)	(0.19)	(0.06)	0.04	(0.26)	(0.17)
[48] JPMorgan SmartRetirement® 2025 R5	JNSIX	7/31/2007	0.23	(0.02)	(0.02)	0.07	(0.31)	(0.10)
[49] JPMorgan SmartRetirement® 2030 R5	JSMIX	5/15/2006	0.11	(0.31)	(0.37)	(0.30)	(0.68)	(0.43)
[50] JPMorgan SmartRetirement® 2035 R5	SRJIX	7/31/2007	0.14	(0.33)	(0.43)	(0.38)	(0.78)	(0.51)
[51] JPMorgan SmartRetirement® 2040 R5	SMTIX	5/15/2006	0.01	(0.52)	(0.65)	(0.54)	(0.85)	(0.58)
[52] JPMorgan SmartRetirement® 2045 R5	JSAIX	7/31/2007	0.13	(0.40)	(0.48)	(0.36)	(0.72)	(0.43)
[53] JPMorgan SmartRetirement® 2050 R5	JTSIX	7/31/2007	0.15	(0.33)	(0.32)	(0.21)	(0.62)	(0.36)
[54] JPMorgan SmartRetirement® 2055 R5	JFFIX	1/31/2012	0.13	(0.32)	(0.22)	(0.09)	(0.53)	(0.31)
[55] JPMorgan SmartRetirement® 2060 R5	JAKIX	8/31/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[56] JPMorgan SmartRetirement® Income R5	JSIIX	5/15/2006	(0.33)	(0.73)	(1.05)	(1.04)	(0.92)	(0.67)
[57] JPMorgan SmartRetirement® Blend 2015 R6	N.A.	12/30/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[58] JPMorgan SmartRetirement® Blend 2020 R6	JSYRX	7/2/2012	(0.50)	(0.24)	0.14	0.22	(0.09)	(0.02)
[59] JPMorgan SmartRetirement® Blend 2025 R6	JBYXS	7/2/2012	(0.37)	(0.17)	0.17	0.29	(0.05)	0.07
[60] JPMorgan SmartRetirement® Blend 2030 R6	JRBYX	7/2/2012	(0.39)	(0.27)	0.05	0.12	(0.14)	0.02
[61] JPMorgan SmartRetirement® Blend 2035 R6	JPYRX	7/2/2012	(0.53)	(0.36)	(0.11)	0.08	(0.21)	(0.02)
[62] JPMorgan SmartRetirement® Blend 2040 R6	JOBYY	7/2/2012	(0.46)	(0.36)	(0.06)	(0.00)	(0.24)	(0.03)
[63] JPMorgan SmartRetirement® Blend 2045 R6	JMYAX	7/2/2012	(0.40)	(0.31)	0.06	0.17	(0.10)	0.08
[64] JPMorgan SmartRetirement® Blend 2050 R6	JNYAX	7/2/2012	(0.38)	(0.24)	0.16	0.27	(0.03)	0.13
[65] JPMorgan SmartRetirement® Blend 2055 R6	JTYBX	7/2/2012	(0.43)	(0.26)	0.22	0.44	0.18	0.27
[66] JPMorgan SmartRetirement® Blend 2060 R6	JAAYX	8/31/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[67] JPMorgan SmartRetirement® Blend IncomeR6	JYBX	7/2/2012	(0.62)	(0.74)	(0.91)	(0.87)	(0.76)	(0.56)
[68] Manning & Napier Target 2010 I	MTHIX	3/28/2008	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[69] Manning & Napier Target 2015 I	N.A.	6/25/2012	(2.02)	(2.00)	(1.78)	(1.93)	(2.86)	(2.79)
[70] Manning & Napier Target 2020 I	N.A.	3/28/2008	(1.92)	(1.81)	(1.51)	(1.62)	(2.78)	(2.66)
[71] Manning & Napier Target 2025 I	N.A.	6/25/2012	(1.97)	(1.90)	(1.53)	(1.66)	(2.91)	(2.82)
[72] Manning & Napier Target 2030 I	N.A.	3/28/2008	(1.92)	(1.83)	(1.46)	(1.58)	(2.97)	(2.78)
[73] Manning & Napier Target 2035 I	N.A.	6/25/2012	(1.83)	(1.70)	(1.39)	(1.56)	(3.06)	(2.82)
[74] Manning & Napier Target 2040 I	N.A.	3/28/2008	(1.81)	(1.61)	(1.39)	(1.60)	(3.20)	(2.90)
[75] Manning & Napier Target 2045 I	N.A.	6/25/2012	(2.02)	(1.61)	(1.40)	(1.65)	(3.26)	(2.92)
[76] Manning & Napier Target 2050 I	N.A.	3/28/2008	(1.85)	(1.53)	(1.29)	(1.52)	(3.15)	(2.80)
[77] Manning & Napier Target 2055 I	N.A.	6/25/2012	(1.91)	(1.62)	(1.37)	(1.46)	(3.20)	(2.89)
[78] Manning & Napier Target 2060 I	N.A.	9/21/2015	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[79] Manning & Napier Target Income I	N.A.	3/28/2008	(1.18)	(1.51)	(1.63)	(1.51)	(1.87)	(1.78)
[80] MFS® Lifetime® 2010 I	N.A.	9/29/2005	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[81] MFS Lifetime 2015 I	N.A.	11/2/2012	(0.39)	0.03	0.76	N.A.	N.A.	N.A.
[82] MFS Lifetime 2020 I	N.A.	9/29/2005	(0.12)	0.19	0.76	0.64	0.16	0.14
[83] MFS Lifetime 2025 I	LTTIX	11/2/2012	(0.05)	(0.01)	0.42	0.18	(0.25)	(0.22)
[84] MFS Lifetime 2030 I	MLTIX	9/29/2005	(0.38)	(0.50)	(0.20)	(0.43)	(0.76)	(0.61)
[85] MFS Lifetime 2035 I	LFEDX	11/2/2012	(0.15)	(0.39)	(0.11)	(0.40)	(0.74)	(0.50)
[86] MFS Lifetime 2040 I	MLFIX	9/29/2005	(0.05)	(0.37)	(0.14)	(0.46)	(0.77)	(0.56)
[87] MFS Lifetime 2045 I	LTMKX	11/2/2012	0.03	(0.28)	0.04	(0.30)	(0.51)	(0.31)

			[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]
Fund Name	Ticker	Inception Date	Q4 2015 3 Years Annualized Alpha	Q1 2016 3 Years Annualized Alpha	Q2 2016 3 Years Annualized Alpha	Q3 2016 3 Years Annualized Alpha	Q4 2016 3 Years Annualized Alpha	Q1 2017 3 Years Annualized Alpha			
[88] MFS Lifetime 2050 I	MFFIX	9/15/2010	0.03	(0.24)	0.14	(0.17)	(0.43)	(0.29)			
[89] MFS Lifetime 2055 I	LFIIIX	11/2/2012	0.17	(0.16)	0.24	(0.02)	(0.48)	(0.34)			
[90] MFS Lifetime 2060 I	MFJIX	12/6/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.			
[91] MFS Lifetime Income I	MLLIX	9/29/2005	(0.36)	(0.31)	(0.07)	(0.14)	(0.27)	(0.23)			
[92] Nuveen Lifecycle 2010 Retirement	TCELEX	10/15/2004	(0.24)	(0.50)	(0.71)	(0.62)	(0.74)	(0.40)			
[93] Nuveen Lifecycle 2015 Retirement	TCLIX	10/15/2004	(0.30)	(0.50)	(0.54)	(0.41)	(0.71)	(0.34)			
[94] Nuveen Lifecycle 2020 Retirement	TCLTX	10/15/2004	(0.25)	(0.50)	(0.52)	(0.42)	(0.77)	(0.42)			
[95] Nuveen Lifecycle 2025 Retirement	TCLFX	10/15/2004	(0.11)	(0.42)	(0.56)	(0.39)	(0.83)	(0.44)			
[96] Nuveen Lifecycle 2030 Retirement	TCLNX	10/15/2004	(0.16)	(0.54)	(0.73)	(0.56)	(1.04)	(0.63)			
[97] Nuveen Lifecycle 2035 Retirement	TCLRX	10/15/2004	(0.15)	(0.61)	(0.86)	(0.70)	(1.22)	(0.74)			
[98] Nuveen Lifecycle 2040 Retirement	TCLCX	10/15/2004	(0.28)	(0.86)	(1.17)	(0.97)	(1.40)	(0.91)			
[99] Nuveen Lifecycle 2045 Retirement	TFRX	11/30/2007	(0.21)	(0.76)	(1.06)	(0.80)	(1.28)	(0.74)			
[100] Nuveen Lifecycle 2050 Retirement	TLFRX	11/30/2007	(0.18)	(0.71)	(0.94)	(0.66)	(1.13)	(0.66)			
[101] Nuveen Lifecycle 2055 Retirement	TTRLX	4/29/2011	(0.11)	(0.65)	(0.87)	(0.58)	(1.00)	(0.58)			
[102] Nuveen Lifecycle 2060 Retirement	TLXRX	9/26/2014	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.			
[103] Putnam Retirement Ready 2010 Y	PRRGX	11/1/2004	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.			
[104] Putnam Retirement Ready 2015 Y	N.A.	11/1/2004	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.			
[105] Putnam Retirement Ready 2020 Y	PRRNX	11/1/2004	1.25	0.42	0.74	0.78	0.57	0.37			
[106] Putnam Sustainable Retirement 2025 Y	PRRPX	11/1/2004	1.60	0.72	0.92	0.96	0.72	0.50			
[107] Putnam Sustainable Retirement 2030 Y	PRRTX	11/1/2004	1.64	0.71	0.77	0.84	0.64	0.40			
[108] Putnam Sustainable Retirement 2035 Y	PRRYX	11/1/2004	1.65	0.67	0.61	0.72	0.53	0.27			
[109] Putnam Sustainable Retirement 2040 Y	PRZZX	11/1/2004	1.82	0.74	0.52	0.69	0.48	0.20			
[110] Putnam Sustainable Retirement 2045 Y	PRVYX	11/1/2004	1.96	0.76	0.49	0.69	0.49	0.16			
[111] Putnam Sustainable Retirement 2050 Y	PRRUX	5/2/2005	2.06	0.78	0.45	0.68	0.47	0.10			
[112] Putnam Sustainable Retirement 2055 Y	PRTLX	11/30/2010	2.09	0.76	0.42	0.67	0.49	0.07			
[113] Putnam Sustainable Retirement 2060 Y	PRTYX	11/30/2015	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.			
[114] Putnam Sustainable Retirement Mat Y	PRMYX	11/1/2004	0.97	(0.06)	0.08	0.15	0.18	0.18			
[115] T. Rowe Price Retirement 2005	TRREF	2/27/2004	(0.58)	(0.44)	(0.35)	(0.22)	(0.40)	(0.30)			
[116] T. Rowe Price Retirement 2010	TRRAX	9/30/2002	(0.30)	(0.30)	(0.45)	(0.38)	(0.54)	(0.36)			
[117] T. Rowe Price Retirement 2015	TRRGX	2/27/2004	(0.15)	(0.17)	(0.34)	(0.33)	(0.58)	(0.33)			
[118] T. Rowe Price Retirement 2020	TRRBX	9/30/2002	0.06	(0.06)	(0.24)	(0.25)	(0.59)	(0.29)			
[119] T. Rowe Price Retirement 2025	TRRHX	2/27/2004	0.33	0.18	(0.08)	(0.07)	(0.50)	(0.14)			
[120] T. Rowe Price Retirement 2030	TRRCX	9/30/2002	0.57	0.32	0.02	0.01	(0.46)	(0.07)			
[121] T. Rowe Price Retirement 2035	TRRJX	2/27/2004	0.73	0.41	0.03	0.01	(0.50)	(0.06)			
[122] T. Rowe Price Retirement 2040	TRRDY	9/30/2002	0.79	0.38	(0.05)	(0.02)	(0.53)	(0.10)			
[123] T. Rowe Price Retirement 2045	TRRKX	5/31/2005	0.84	0.46	0.12	0.13	(0.42)	0.05			
[124] T. Rowe Price Retirement 2050	TRRMX	12/29/2006	0.92	0.54	0.23	0.27	(0.28)	0.10			
[125] T. Rowe Price Retirement 2055	TRRNX	12/29/2006	0.91	0.54	0.31	0.36	(0.21)	0.15			
[126] T. Rowe Price Retirement 2060	TRRLX	6/23/2014	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.			
[127] Vanguard Target Retirement 2005 Inv	VTOVX	10/27/2003	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.			
[128] Vanguard Target Retirement 2010 Inv	VTENX	6/7/2006	0.51	0.60	0.84	0.77	0.40	0.30			
[129] Vanguard Target Retirement 2015 Fund	VTXVX	10/27/2003	0.49	0.46	0.51	0.47	0.14	0.14			
[130] Vanguard Target Retirement 2020 Fund	VTWNX	6/7/2006	0.52	0.46	0.44	0.42	0.11	0.16			
[131] Vanguard Target Retirement 2025 Fund	VTIVX	10/27/2003	0.51	0.41	0.40	0.44	0.11	0.19			
[132] Vanguard Target Retirement 2030 Fund	VTHRX	6/7/2006	0.44	0.30	0.26	0.30	(0.04)	0.08			
[133] Vanguard Target Retirement 2035 Fund	VTTHX	10/27/2003	0.36	0.14	0.06	0.11	(0.22)	(0.10)			
[134] Vanguard Target Retirement 2040 Fund	VFORX	6/7/2006	0.15	(0.11)	(0.24)	(0.15)	(0.43)	(0.27)			
[135] Vanguard Target Retirement 2045 Fund	VTIVX	10/27/2003	0.20	(0.05)	(0.14)	(0.02)	(0.29)	(0.14)			
[136] Vanguard Target Retirement 2050 Fund	VFIFX	6/7/2006	0.26	(0.01)	(0.01)	0.12	(0.18)	(0.07)			
[137] Vanguard Target Retirement 2055 Fund	VFFVX	8/18/2010	0.24	(0.01)	0.03	0.17	(0.13)	(0.07)			
[138] Vanguard Target Retirement 2060 Fund	VTTSX	1/19/2012	0.34	0.10	0.14	0.26	(0.11)	(0.05)			
[139] Vanguard Target Retirement Income Fund	VTINX	10/27/2003	0.15	0.23	0.45	0.40	0.27	0.29			

			[j]	[k]	[l]	[m]	[n]	[o]
[a]	[b]	[c]						
Fund Name	Ticker	Inception Date	Q4 2015 5 Years Annualized Alpha	Q1 2016 5 Years Annualized Alpha	Q2 2016 5 Years Annualized Alpha	Q3 2016 5 Years Annualized Alpha	Q4 2016 5 Years Annualized Alpha	Q1 2017 5 Years Annualized Alpha
[1] American Century One Choice 2015 Instl	ARNIX	8/31/2004	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[2] American Century One Choice 2020 I	N.A.	5/30/2008	0.95	0.86	0.78	0.56	0.41	0.39
[3] American Century One Choice 2025 I	ARWFX	8/31/2004	1.06	1.00	0.93	0.69	0.49	0.46
[4] American Century One Choice 2030 I	ARCSX	5/30/2008	1.16	1.08	0.99	0.75	0.54	0.52
[5] American Century One Choice 2035 I	ARLIX	8/31/2004	1.24	1.12	1.01	0.85	0.63	0.58
[6] American Century One Choice 2040 I	ARDSX	5/30/2008	1.25	1.11	0.99	0.89	0.66	0.58
[7] American Century One Choice 2045 I	AOOIX	8/31/2004	1.22	1.07	0.95	0.83	0.60	0.54
[8] American Century One Choice 2050 I	ARFSX	5/30/2008	1.15	0.98	0.89	0.83	0.57	0.49
[9] American Century One Choice 2055 I	ARENX	3/31/2011	N.A.	0.93	0.84	0.82	0.55	0.47
[10] American Century One Choice 2060 I	ARGNX	9/30/2015	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[11] American Century One Choice In Ret I	ATTIX	8/31/2004	(0.05)	(0.47)	(0.52)	(0.08)	0.27	0.14
[12] American Funds 2010 Trgt Date Retire R5	REATX	2/1/2007	1.16	1.22	1.31	1.01	0.90	0.96
[13] American Funds 2015 Trgt Date Retire R5	REJTX	2/1/2007	1.32	1.47	1.58	1.35	1.18	1.22
[14] American Funds 2020 Trgt Date Retire R5	RECTX	2/1/2007	1.56	1.65	1.69	1.57	1.34	1.38
[15] American Funds 2025 Trgt Date Retire R5	REDTX	2/1/2007	1.58	1.64	1.70	1.72	1.55	1.53
[16] American Funds 2030 Trgt Date Retire R5	REETX	2/1/2007	1.71	1.61	1.66	1.61	1.41	1.52
[17] American Funds 2035 Trgt Date Retire R5	REFTX	2/1/2007	1.63	1.51	1.53	1.46	1.22	1.46
[18] American Funds 2040 Trgt Date Retire R5	REGTX	2/1/2007	1.71	1.58	1.60	1.57	1.29	1.52
[19] American Funds 2045 Trgt Date Retire R5	REHTX	2/1/2007	1.78	1.61	1.65	1.60	1.33	1.56
[20] American Funds 2050 Trgt Date Retire R5	REITX	2/1/2007	1.79	1.65	1.70	1.69	1.41	1.61
[21] American Funds 2055 Trgt Date Retire R5	REKTX	2/1/2010	1.70	1.56	1.62	1.68	1.37	1.54
[22] American Funds 2060 Trgt Date Retire R5	REMTX	3/27/2015	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[23] BlackRock LifePath® Index 2020 K	N.A.	5/31/2011	N.A.	N.A.	0.48	0.32	0.06	0.11
[24] BlackRock LifePath® Index 2025 K	LIBKX	5/31/2011	N.A.	N.A.	0.33	0.19	(0.05)	0.02
[25] BlackRock LifePath® Index 2030 K	LINKX	5/31/2011	N.A.	N.A.	0.17	(0.06)	(0.29)	(0.19)
[26] BlackRock LifePath® Index 2035 K	LIJX	5/31/2011	N.A.	N.A.	(0.01)	(0.21)	(0.45)	(0.33)
[27] BlackRock LifePath® Index 2040 K	LIKX	5/31/2011	N.A.	N.A.	(0.18)	(0.35)	(0.61)	(0.48)
[28] BlackRock LifePath® Index 2045 K	LIHKX	5/31/2011	N.A.	N.A.	(0.31)	(0.36)	(0.62)	(0.52)
[29] BlackRock LifePath® Index 2050 K	LIPKX	5/31/2011	N.A.	N.A.	(0.38)	(0.23)	(0.50)	(0.50)
[30] BlackRock LifePath® Index 2055 K	LIVKX	5/31/2011	N.A.	N.A.	(0.44)	(0.18)	(0.44)	(0.50)
[31] BlackRock LifePath® Index 2060 K	LIZKX	2/29/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[32] BlackRock LifePath® Index Retire K	LIRKX	5/31/2011	N.A.	N.A.	(0.25)	(0.16)	(0.13)	(0.07)
[33] Fidelity Freedom 2005	N.A.	11/6/2003	(0.71)	(0.99)	(0.78)	(0.33)	(0.23)	(0.16)
[34] Fidelity Freedom 2010	FFFCX	10/17/1996	(0.87)	(1.27)	(1.08)	(0.55)	(0.36)	(0.29)
[35] Fidelity Freedom 2015	FFVFX	11/6/2003	(0.52)	(0.90)	(0.71)	(0.55)	(0.46)	(0.27)
[36] Fidelity Freedom 2020	FFFDX	10/17/1996	(0.60)	(0.97)	(0.77)	(0.55)	(0.49)	(0.28)
[37] Fidelity Freedom 2025	FFTWX	11/6/2003	(0.53)	(0.90)	(0.70)	(0.48)	(0.39)	(0.24)
[38] Fidelity Freedom 2030	FFEX	10/17/1996	(0.55)	(1.02)	(0.85)	(0.83)	(0.77)	(0.46)
[39] Fidelity Freedom 2035	FFTHX	11/6/2003	(0.84)	(1.33)	(1.15)	(0.99)	(0.86)	(0.56)
[40] Fidelity Freedom 2040	FFFFX	9/6/2000	(0.73)	(1.21)	(1.01)	(0.84)	(0.75)	(0.47)
[41] Fidelity Freedom 2045	FFFGX	6/1/2006	(0.72)	(1.18)	(0.96)	(0.70)	(0.63)	(0.39)
[42] Fidelity Freedom 2050	FFFHX	6/1/2006	(0.94)	(1.38)	(1.13)	(0.67)	(0.61)	(0.44)
[43] Fidelity Freedom 2055	FDEEX	6/1/2011	N.A.	N.A.	(1.11)	(0.58)	(0.51)	(0.40)
[44] Fidelity Freedom 2060	FDKVX	8/5/2014	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[45] Fidelity Freedom Income	FFFAX	10/17/1996	(0.32)	(0.55)	(0.39)	(0.13)	(0.11)	0.01
[46] JPMorgan SmartRetirement® 2015 R5	N.A.	5/15/2006	(0.29)	(0.36)	(0.34)	0.01	0.03	(0.09)
[47] JPMorgan SmartRetirement® 2020 R5	JTTIX	5/15/2006	0.01	(0.07)	(0.10)	0.12	0.09	0.01
[48] JPMorgan SmartRetirement® 2025 R5	JNSIX	7/31/2007	(0.04)	(0.11)	(0.16)	0.13	0.13	0.05
[49] JPMorgan SmartRetirement® 2030 R5	JSMIX	5/15/2006	(0.24)	(0.37)	(0.43)	(0.14)	(0.12)	(0.18)
[50] JPMorgan SmartRetirement® 2035 R5	SRJIX	7/31/2007	(0.30)	(0.44)	(0.51)	(0.18)	(0.17)	(0.26)
[51] JPMorgan SmartRetirement® 2040 R5	SMTIX	5/15/2006	(0.22)	(0.41)	(0.50)	(0.32)	(0.31)	(0.34)
[52] JPMorgan SmartRetirement® 2045 R5	JSAIX	7/31/2007	(0.08)	(0.26)	(0.35)	(0.18)	(0.20)	(0.22)
[53] JPMorgan SmartRetirement® 2050 R5	JTSIX	7/31/2007	(0.09)	(0.26)	(0.31)	(0.08)	(0.14)	(0.23)
[54] JPMorgan SmartRetirement® 2055 R5	JFFIX	1/31/2012	N.A.	N.A.	N.A.	N.A.	N.A.	(0.14)
[55] JPMorgan SmartRetirement® 2060 R5	JAKIX	8/31/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[56] JPMorgan SmartRetirement® Income R5	JSIIX	5/15/2006	(1.14)	(1.43)	(1.37)	(0.75)	(0.42)	(0.46)
[57] JPMorgan SmartRetirement® Blend 2015 R6	N.A.	12/30/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[58] JPMorgan SmartRetirement® Blend 2020 R6	JSYRX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[59] JPMorgan SmartRetirement® Blend 2025 R6	JBYX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[60] JPMorgan SmartRetirement® Blend 2030 R6	JRBYX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[61] JPMorgan SmartRetirement® Blend 2035 R6	JPYRX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[62] JPMorgan SmartRetirement® Blend 2040 R6	JOBXX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[63] JPMorgan SmartRetirement® Blend 2045 R6	JMYAX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[64] JPMorgan SmartRetirement® Blend 2050 R6	JNYAX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[65] JPMorgan SmartRetirement® Blend 2055 R6	JTYBX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[66] JPMorgan SmartRetirement® Blend 2060 R6	JAAYX	8/31/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[67] JPMorgan SmartRetirement® Blend IncomeR6	JYBX	7/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[68] Manning & Napier Target 2010 I	MTHIX	3/28/2008	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[69] Manning & Napier Target 2015 I	N.A.	6/25/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[70] Manning & Napier Target 2020 I	N.A.	3/28/2008	(1.07)	(1.01)	(0.96)	(0.76)	(1.30)	(0.97)
[71] Manning & Napier Target 2025 I	N.A.	6/25/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[72] Manning & Napier Target 2030 I	N.A.	3/28/2008	(0.65)	(0.55)	(0.46)	(0.49)	(1.22)	(0.63)
[73] Manning & Napier Target 2035 I	N.A.	6/25/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[74] Manning & Napier Target 2040 I	N.A.	3/28/2008	(1.87)	(1.51)	(1.26)	(1.03)	(1.79)	(1.30)
[75] Manning & Napier Target 2045 I	N.A.	6/25/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[76] Manning & Napier Target 2050 I	N.A.	3/28/2008	(1.66)	(1.24)	(0.99)	(0.95)	(1.79)	(1.21)
[77] Manning & Napier Target 2055 I	N.A.	6/25/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[78] Manning & Napier Target 2060 I	N.A.	9/21/2015	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[79] Manning & Napier Target Income I	N.A.	3/28/2008	(0.67)	(0.76)	(0.71)	(0.71)	(0.84)	(0.65)
[80] MFS® Lifetime® 2010 I	N.A.	9/29/2005	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[81] MFS Lifetime 2015 I	N.A.	11/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[82] MFS Lifetime 2020 I	N.A.	9/29/2005	0.37	0.56	0.65	0.79	0.68	0.52
[83] MFS Lifetime 2025 I	LTTIX	11/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[84] MFS Lifetime 2030 I	MLTIX	9/29/2005	(0.16)	(0.10)	0.05	0.06	0.12	0.03
[85] MFS Lifetime 2035 I	LFEDX	11/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[86] MFS Lifetime 2040 I	MLFIX	9/29/2005	(0.08)	(0.05)	0.06	0.02	0.07	0.01
[87] MFS Lifetime 2045 I	LTMKX	11/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

			[j]	[k]	[l]	[m]	[n]	[o]
Fund Name	Ticker	Inception Date	Q4 2015 5 Years Annualized Alpha	Q1 2016 5 Years Annualized Alpha	Q2 2016 5 Years Annualized Alpha	Q3 2016 5 Years Annualized Alpha	Q4 2016 5 Years Annualized Alpha	Q1 2017 5 Years Annualized Alpha
[88] MFS Lifetime 2050 I	MFFIX	9/15/2010	0.11	0.17	0.31	0.23	0.29	0.16
[89] MFS Lifetime 2055 I	LFIIX	11/2/2012	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[90] MFS Lifetime 2060 I	MFJIX	12/6/2016	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[91] MFS Lifetime Income I	MLLIX	9/29/2005	(0.05)	(0.07)	0.01	0.11	0.12	0.07
[92] Nuveen Lifecycle 2010 Retirement	TCLEX	10/15/2004	(0.19)	(0.44)	(0.48)	(0.23)	(0.14)	(0.16)
[93] Nuveen Lifecycle 2015 Retirement	TCLIX	10/15/2004	(0.06)	(0.28)	(0.31)	(0.13)	(0.12)	(0.11)
[94] Nuveen Lifecycle 2020 Retirement	TCLTX	10/15/2004	0.02	(0.22)	(0.25)	(0.08)	(0.11)	(0.11)
[95] Nuveen Lifecycle 2025 Retirement	TCLFX	10/15/2004	0.06	(0.21)	(0.26)	(0.07)	(0.10)	(0.10)
[96] Nuveen Lifecycle 2030 Retirement	TCLNX	10/15/2004	0.02	(0.29)	(0.38)	(0.21)	(0.25)	(0.24)
[97] Nuveen Lifecycle 2035 Retirement	TCLRX	10/15/2004	(0.14)	(0.49)	(0.58)	(0.32)	(0.36)	(0.38)
[98] Nuveen Lifecycle 2040 Retirement	TCLOX	10/15/2004	(0.12)	(0.52)	(0.63)	(0.55)	(0.56)	(0.52)
[99] Nuveen Lifecycle 2045 Retirement	TFRX	11/30/2007	(0.06)	(0.44)	(0.56)	(0.45)	(0.49)	(0.42)
[100] Nuveen Lifecycle 2050 Retirement	TLFRX	11/30/2007	(0.02)	(0.40)	(0.50)	(0.37)	(0.44)	(0.41)
[101] Nuveen Lifecycle 2055 Retirement	TTRLX	4/29/2011	N.A.	N.A.	(0.57)	(0.33)	(0.39)	(0.39)
[102] Nuveen Lifecycle 2060 Retirement	TLXRX	9/26/2014	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[103] Putnam Retirement Ready 2010 Y	PRRGX	11/1/2004	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[104] Putnam Retirement Ready 2015 Y	N.A.	11/1/2004	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[105] Putnam Retirement Ready 2020 Y	PRRNX	11/1/2004	0.97	0.44	0.61	1.15	1.24	1.01
[106] Putnam Sustainable Retirement 2025 Y	PRRPX	11/1/2004	1.01	0.51	0.67	1.27	1.41	1.14
[107] Putnam Sustainable Retirement 2030 Y	PRRTX	11/1/2004	0.86	0.38	0.49	1.15	1.32	1.06
[108] Putnam Sustainable Retirement 2035 Y	PRRYX	11/1/2004	0.81	0.35	0.45	1.03	1.19	0.93
[109] Putnam Sustainable Retirement 2040 Y	PRZZX	11/1/2004	0.95	0.48	0.52	1.01	1.13	0.90
[110] Putnam Sustainable Retirement 2045 Y	PRVYX	11/1/2004	1.06	0.55	0.55	0.98	1.07	0.85
[111] Putnam Sustainable Retirement 2050 Y	PRRUX	5/2/2005	1.06	0.53	0.50	0.96	1.03	0.77
[112] Putnam Sustainable Retirement 2055 Y	PRTLX	11/30/2010	0.73	0.18	0.13	0.84	0.95	0.68
[113] Putnam Sustainable Retirement 2060 Y	PRTYX	11/30/2015	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[114] Putnam Sustainable Retirement Mat Y	PRMYX	11/1/2004	0.31	(0.36)	(0.12)	0.57	0.90	0.75
[115] T. Rowe Price Retirement 2005	TRREF	2/27/2004	(0.65)	(0.71)	(0.62)	(0.26)	(0.22)	(0.24)
[116] T. Rowe Price Retirement 2010	TRRAX	9/30/2002	(0.90)	(0.99)	(0.89)	(0.35)	(0.17)	(0.25)
[117] T. Rowe Price Retirement 2015	TRRGX	2/27/2004	(0.53)	(0.62)	(0.57)	(0.21)	(0.09)	(0.15)
[118] T. Rowe Price Retirement 2020	TRRBX	9/30/2002	(0.25)	(0.40)	(0.35)	(0.06)	0.02	0.01
[119] T. Rowe Price Retirement 2025	TRRHX	2/27/2004	0.02	(0.15)	(0.15)	0.07	0.12	0.14
[120] T. Rowe Price Retirement 2030	TRRCX	9/30/2002	0.26	0.04	0.01	0.19	0.25	0.28
[121] T. Rowe Price Retirement 2035	TRRJX	2/27/2004	0.33	0.07	0.00	0.20	0.23	0.28
[122] T. Rowe Price Retirement 2040	TRRDY	9/30/2002	0.43	0.15	0.05	0.18	0.20	0.28
[123] T. Rowe Price Retirement 2045	TRRKX	5/31/2005	0.53	0.25	0.17	0.25	0.26	0.34
[124] T. Rowe Price Retirement 2050	TRRMX	12/29/2006	0.58	0.30	0.23	0.38	0.36	0.38
[125] T. Rowe Price Retirement 2055	TRRNX	12/29/2006	0.50	0.21	0.16	0.34	0.32	0.32
[126] T. Rowe Price Retirement 2060	TRRLX	6/23/2014	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[127] Vanguard Target Retirement 2005 Inv	VTQVX	10/27/2003	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[128] Vanguard Target Retirement 2010 Inv	VTENX	6/7/2006	0.62	0.64	0.65	0.69	0.53	0.46
[129] Vanguard Target Retirement 2015 Fund	VTXVX	10/27/2003	0.54	0.53	0.53	0.53	0.39	0.37
[130] Vanguard Target Retirement 2020 Fund	VTWVX	6/7/2006	0.56	0.55	0.57	0.50	0.37	0.41
[131] Vanguard Target Retirement 2025 Fund	VTTVX	10/27/2003	0.54	0.52	0.53	0.49	0.35	0.41
[132] Vanguard Target Retirement 2030 Fund	VTTHX	6/7/2006	0.48	0.43	0.43	0.38	0.26	0.34
[133] Vanguard Target Retirement 2035 Fund	VTTHX	10/27/2003	0.31	0.23	0.23	0.25	0.14	0.20
[134] Vanguard Target Retirement 2040 Fund	VFORX	6/7/2006	0.29	0.19	0.16	0.03	(0.06)	0.06
[135] Vanguard Target Retirement 2045 Fund	VTIVX	10/27/2003	0.37	0.25	0.23	0.08	(0.00)	0.13
[136] Vanguard Target Retirement 2050 Fund	VFIFX	6/7/2006	0.38	0.27	0.28	0.19	0.06	0.16
[137] Vanguard Target Retirement 2055 Fund	VFFVX	8/18/2010	0.34	0.23	0.24	0.18	0.04	0.11
[138] Vanguard Target Retirement 2060 Fund	VTTSX	1/19/2012	N.A.	N.A.	N.A.	N.A.	N.A.	0.20
[139] Vanguard Target Retirement Income Fund	VTINX	10/27/2003	0.57	0.56	0.52	0.35	0.28	0.35

# EXHIBIT 3

**Exhibit 3 - Fidelity Freedom K® TDFs Morningstar Peers List**

Source: Morningstar Direct

<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[1]	AB 2000 Retirement Strategy A	9/1/05
[2]	AB 2000 Retirement Strategy A LW	9/1/05
[3]	AB 2000 Retirement Strategy Advisor	9/1/05
[4]	AB 2000 Retirement Strategy B	9/1/05
[5]	AB 2000 Retirement Strategy C	9/1/05
[6]	AB 2000 Retirement Strategy I	9/1/05
[7]	AB 2000 Retirement Strategy K	9/1/05
[8]	AB 2000 Retirement Strategy R	9/1/05
[9]	AB 2005 Retirement Strategy A	9/1/05
[10]	AB 2005 Retirement Strategy A LW	9/1/05
[11]	AB 2005 Retirement Strategy Advisor	9/1/05
[12]	AB 2005 Retirement Strategy B	9/1/05
[13]	AB 2005 Retirement Strategy C	9/1/05
[14]	AB 2005 Retirement Strategy I	9/1/05
[15]	AB 2005 Retirement Strategy K	9/1/05
[16]	AB 2005 Retirement Strategy R	9/1/05
[17]	AB 2010 Retirement Strategy A	9/1/05
[18]	AB 2010 Retirement Strategy A LW	9/1/05
[19]	AB 2010 Retirement Strategy Advisor	9/1/05
[20]	AB 2010 Retirement Strategy B	9/1/05
[21]	AB 2010 Retirement Strategy C	9/1/05
[22]	AB 2010 Retirement Strategy I	9/1/05
[23]	AB 2010 Retirement Strategy K	9/1/05
[24]	AB 2010 Retirement Strategy R	9/1/05
[25]	AB Multi-Manager Select 2010 A	12/15/14
[26]	TDBAX.lw AB Multi-Manager Select 2010 A LW	12/15/14
[27]	AB Multi-Manager Select 2010 Advisor	12/15/14
[28]	AB Multi-Manager Select 2010 C	12/15/14
[29]	AB Multi-Manager Select 2010 I	12/15/14
[30]	AB Multi-Manager Select 2010 K	12/15/14
[31]	AB Multi-Manager Select 2010 R	12/15/14
[32]	AB Multi-Manager Select 2010 Z	12/15/14
[33]	Allspring Target 2010 A	3/1/94
[34]	Allspring Target 2010 Admin	11/8/99
[35]	Allspring Target 2010 C	12/1/98
[36]	Allspring Target 2010 R	6/28/13
[37]	Allspring Target 2010 R4	11/30/12
[38]	Allspring Target 2010 R6	6/29/04
[39]	ALZAX.lw Allstate ClearTarget 2005 Retirement A LW	4/14/08
[40]	ALZAX Allstate ClearTarget 2005 Retirement A	4/14/08
[41]	ALZCX Allstate ClearTarget 2005 Retirement C	4/14/08
[42]	AZAGX Allstate ClearTarget 2005 Retirement GA	4/14/08
[43]	AZCGX Allstate ClearTarget 2005 Retirement GC	4/14/08
[44]	AZIGX Allstate ClearTarget 2005 Retirement GI	4/14/08
[45]	ALZIX Allstate ClearTarget 2005 Retirement I	4/14/08
[46]	AACAX.lw Allstate ClearTarget 2010 Retirement A LW	4/14/08
[47]	AACAX Allstate ClearTarget 2010 Retirement A	4/14/08
[48]	ALLCX Allstate ClearTarget 2010 Retirement C	4/14/08
[49]	AGCAX Allstate ClearTarget 2010 Retirement GA	4/14/08
[50]	ADCGX Allstate ClearTarget 2010 Retirement GC	4/14/08
[51]	Allstate ClearTarget 2010 Retirement GI	4/14/08
[52]	ABCIX Allstate ClearTarget 2010 Retirement I	4/14/08
[53]	Allstate ClearTarget 2015 Retirement I	4/11/08
[54]	AAATX.lw American Funds 2010 Trgt Date Retir A LW	2/1/07

	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[55]	AAATX	American Funds 2010 Trgt Date Retire A	2/1/07
[56]		American Funds 2010 Trgt Date Retire B	2/21/14
[57]	CCATX	American Funds 2010 Trgt Date Retire C	2/21/14
[58]	FAATX	American Funds 2010 Trgt Date Retire F1	2/21/14
[59]	FBATX	American Funds 2010 Trgt Date Retire F2	2/21/14
[60]	DJTFX	American Funds 2010 Trgt Date Retire F3	1/27/17
[61]	RAATX	American Funds 2010 Trgt Date Retire R1	2/1/07
[62]	RBATX	American Funds 2010 Trgt Date Retire R2	2/1/07
[63]	RBEAX	American Funds 2010 Trgt Date Retire R2E	8/29/14
[64]	RCATX	American Funds 2010 Trgt Date Retire R3	2/1/07
[65]	RDATX	American Funds 2010 Trgt Date Retire R4	2/1/07
[66]	REATX	American Funds 2010 Trgt Date Retire R5	2/1/07
[67]	RHATX	American Funds 2010 Trgt Date Retire R5E	11/20/15
[68]	RFTTX	American Funds 2010 Trgt Date Retire R6	7/13/09
[69]		BlackRock Lifecycle Prepared 2010 I A LW	4/20/07
[70]	BIPAX	BlackRock Lifecycle Prepared 2010 Instl	4/20/07
[71]		BlackRock Lifecycle Prepared 2010 Inv A	4/20/07
[72]	BRPAX	BlackRock Lifecycle Prepared 2010 R	4/20/07
[73]	STLBX	BlackRock LifePath 2010 I	3/1/94
[74]	LPRBX	BlackRock LifePath 2010 R	4/30/01
[75]	LPSBX	BlackRock LifePath 2010 S	5/30/08
[76]	BAAAX	Columbia Retirement 2005 A	5/31/06
[77]	BAACX	Columbia Retirement 2005 C	5/31/06
[78]	BAARX	Columbia Retirement 2005 R	5/31/06
[79]	BAAZX	Columbia Retirement 2005 Z	5/31/06
[80]	BFBAX	Columbia Retirement 2010 A	5/31/06
[81]	BFBCX	Columbia Retirement 2010 C	5/31/06
[82]	BFBRX	Columbia Retirement 2010 R	5/31/06
[83]	BFBZX	Columbia Retirement 2010 Z	5/31/06
[84]	CRPAX	Columbia Retirement Plus 2010 A	5/18/06
[85]	CRPAX.lw	Columbia Retirement Plus 2010 A LW	5/18/06
[86]	CRTCX	Columbia Retirement Plus 2010 C	9/27/10
[87]	CRPRX	Columbia Retirement Plus 2010 R	12/11/06
[88]	RSSPX	Columbia Retirement Plus 2010 Z	5/18/06
[89]		Countdown to Retirement Retire 2010	6/30/94
[90]		Dimensional 2005 Target Dt Rtr Inc Instl	11/2/15
[91]	DRIBX	Dimensional 2010 Target Dt Rtr Inc Instl	11/2/15
[92]		DWS Target 2006	5/1/95
[93]		DWS Target 2008	5/1/97
[94]		Fidelity Advisor Freedom 2005 A	11/6/03
[95]		Fidelity Advisor Freedom 2005 C	11/6/03
[96]		Fidelity Advisor Freedom 2005 I	11/6/03
[97]		Fidelity Advisor Freedom 2005 M	11/6/03
[98]		Fidelity Advisor Freedom 2005 Z	10/2/18
[99]		Fidelity Advisor Freedom 2005 Z6	6/6/17
[100]	FACFX	Fidelity Advisor Freedom 2010 A	7/24/03
[101]	FCFCX	Fidelity Advisor Freedom 2010 C	7/24/03
[102]	FCIFX	Fidelity Advisor Freedom 2010 I	7/24/03
[103]	FUGLX	Fidelity Advisor Freedom 2010 K6	6/6/17
[104]	FCFTX	Fidelity Advisor Freedom 2010 M	7/24/03
[105]	FIJX	Fidelity Advisor Freedom 2010 Z	10/2/18
[106]		Fidelity Advisor Freedom Blend 2005 A	8/31/18
[107]		Fidelity Advisor Freedom Blend 2005 C	8/31/18
[108]		Fidelity Advisor Freedom Blend 2005 I	8/31/18
[109]		Fidelity Advisor Freedom Blend 2005 M	8/31/18
[110]	FHACX	Fidelity Advisor Freedom Blend 2005 Z	8/31/18
[111]		Fidelity Advisor Freedom Blend 2005 Z6	8/31/18
[112]	FHABX	Fidelity Advisor Freedom Blend 2010 A	8/31/18



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[113]	FJAYX	Fidelity Advisor Freedom Blend 2010 C	8/31/18
[114]	FJAWX	Fidelity Advisor Freedom Blend 2010 I	8/31/18
[115]	FJAZX	Fidelity Advisor Freedom Blend 2010 M	8/31/18
[116]	FJAVX	Fidelity Advisor Freedom Blend 2010 Z	8/31/18
[117]		Fidelity Advisor Freedom Blend 2010 Z6	8/31/18
[118]	FFAVX.lw	Fidelity Advisor Freedom® 2005 A LW	11/6/03
[119]		Fidelity Advisor Freedom® 2005 B	11/6/03
[120]	FACFX.lw	Fidelity Advisor Freedom® 2010 A LW	7/24/03
[121]		Fidelity Advisor Freedom® 2010 B	7/24/03
[122]	FRQAX.lw	Fidelity Advisor Managed Retirement 2 A LW	8/30/07
[123]	FIOAX.lw	Fidelity Advisor Managed Retirement 2 A LW	8/30/07
[124]		Fidelity Advisor Managed Retirement 2005 C	8/30/07
[125]		Fidelity Advisor Managed Retirement 2005 M	8/30/07
[126]		Fidelity Advisor Managed Retirement 2010 C	8/30/07
[127]		Fidelity Advisor Managed Retirement 2010 M	8/30/07
[128]	FRQAX	Fidelity Advisor Managed Retirement 2010 A	8/30/07
[129]	FRQIX	Fidelity Advisor Managed Retirement 2010 I	8/30/07
[130]		Fidelity Advisor Managed Retirement 2010 Z6	8/1/19
[131]	FARPX.lw	Fidelity Advisor Simplicity RMD 200 A LW	8/30/07
[132]		Fidelity Advisor Simplicity RMD 2005 A	8/30/07
[133]		Fidelity Advisor Simplicity RMD 2005 C	8/30/07
[134]		Fidelity Advisor Simplicity RMD 2005 I	8/30/07
[135]		Fidelity Advisor Simplicity RMD 2005 M	8/30/07
[136]	FIARX.lw	Fidelity Advisor Simplicity RMD 201 A LW	8/30/07
[137]		Fidelity Advisor Simplicity RMD 2010 A	8/30/07
[138]		Fidelity Advisor Simplicity RMD 2010 C	8/30/07
[139]		Fidelity Advisor Simplicity RMD 2010 I	8/30/07
[140]		Fidelity Advisor Simplicity RMD 2010 M	8/30/07
[141]	FSUZX	Fidelity Advisor Sust Trgt Dt 2010 A	5/11/23
[142]	FSVCX	Fidelity Advisor Sust Trgt Dt 2010 C	5/11/23
[143]	FSVGX	Fidelity Advisor Sust Trgt Dt 2010 I	5/11/23
[144]	FSVEX	Fidelity Advisor Sust Trgt Dt 2010 M	5/11/23
[145]	FSVHX	Fidelity Advisor Sust Trgt Dt 2010 Z	5/11/23
[146]		Fidelity Advisor Sust Trgt Dt 2010 Z6	5/11/23
[147]		Fidelity Advisor® Managed Retirement 2005 A	8/30/07
[148]		Fidelity Advisor® Managed Retirement 2005 I	8/30/07
[149]		Fidelity Advisor® Managed Retirement 2005 Z6	8/1/19
[150]		Fidelity Flex Freedom Blend 2005	6/8/17
[151]	FISNX	Fidelity Flex Freedom Blend 2010	6/8/17
[152]		Fidelity Freedom 2005	11/6/03
[153]		Fidelity Freedom 2005 K	7/20/17
[154]		Fidelity Freedom 2005 K6	6/7/17
[155]	FFFCX	Fidelity Freedom 2010	10/17/96
[156]	FSNKX	Fidelity Freedom 2010 K	7/20/17
[157]	FOTKX	Fidelity Freedom 2010 K6	6/7/17
[158]		Fidelity Freedom Blend 2005	8/31/18
[159]		Fidelity Freedom Blend 2005 K	8/31/18
[160]		Fidelity Freedom Blend 2005 K6	8/31/18
[161]	FHAYX	Fidelity Freedom Blend 2010	8/31/18
[162]	FHFEX	Fidelity Freedom Blend 2010 K	8/31/18
[163]	FHPDX	Fidelity Freedom Blend 2010 K6	8/31/18
[164]		Fidelity Freedom Blend 2005 Premier	4/6/21
[165]	FFBHX	Fidelity Freedom Blend 2010 Premier	4/6/21
[166]		Fidelity Freedom Index 2005 Instl Prem	6/24/15
[167]		Fidelity Freedom Index 2005 Investor	10/2/09
[168]		Fidelity Freedom Index 2005 Premier	6/24/20
[169]	FFWTX	Fidelity Freedom Index 2010 Instl Prem	6/24/15
[170]	FKIFX	Fidelity Freedom Index 2010 Investor	10/2/09

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[171]	FCYPX	Fidelity Freedom Index 2010 Premier	6/24/20
[172]		Fidelity Freedom K® 2005	7/2/09
[173]		Fidelity Freedom K® 2010	7/2/09
[174]		Fidelity Managed Retirement 2005	8/30/07
[175]		Fidelity Managed Retirement 2005 K	8/1/19
[176]		Fidelity Managed Retirement 2005 K6	8/1/19
[177]	FIRQX	Fidelity Managed Retirement 2010	8/30/07
[178]	FRQKX	Fidelity Managed Retirement 2010 K	8/1/19
[179]	FRQHx	Fidelity Managed Retirement 2010 K6	8/1/19
[180]		Fidelity Simplicity RMD 2005	8/30/07
[181]	FIRRx	Fidelity Simplicity RMD 2010	8/30/07
[182]	FSUYX	Fidelity Sustainable Target Date 2010	5/11/23
[183]	FSVKX	Fidelity Sustainable Target Date 2010 K	5/11/23
[184]	FSVMX	Fidelity Sustainable Target Date 2010 K6	5/11/23
[185]		Fidelity® Multi-Manager 2005	12/20/12
[186]		Fidelity® Multi-Manager 2005 L	12/4/13
[187]		Fidelity® Multi-Manager 2005 N	12/4/13
[188]		Fidelity® Multi-Manager 2010	12/20/12
[189]		Fidelity® Multi-Manager 2010 L	12/4/13
[190]		Fidelity® Multi-Manager 2010 N	12/4/13
[191]	GRCAX	Goldman Sachs Retirement Str 2010 A	9/5/07
[192]	GRCAX.lw	Goldman Sachs Retirement Str 2010 A LW	9/5/07
[193]	GRCIX	Goldman Sachs Retirement Str 2010 Instl	9/5/07
[194]	GRCTX	Goldman Sachs Retirement Str 2010 IR	11/30/07
[195]	GRCRX	Goldman Sachs Retirement Str 2010 R	11/30/07
[196]	GRCSX	Goldman Sachs Retirement Str 2010 Svc	9/5/07
[197]	GMIVX	GuideStone Funds MyDestination 2005 GS6	12/29/06
[198]	GMIWX	Guidestone Funds MyDestination 2005 GS8	12/29/06
[199]		GuideStone Funds MyDestination 2005 Inv	12/29/06
[200]	HAIIX	Harbor Target Retirement 2010 Admin	1/2/09
[201]	HARDX	Harbor Target Retirement 2010 Instl	1/2/09
[202]	HARFX	Harbor Target Retirement 2010 Inv	1/2/09
[203]	HTTAX	Hartford Target Retirement 2010 A	9/30/05
[204]	HTTAX.lw	Hartford Target Retirement 2010 A LW	9/30/05
[205]	HTTRX	Hartford Target Retirement 2010 R3	12/21/06
[206]	HTTSX	Hartford Target Retirement 2010 R4	12/21/06
[207]	HTTTX	Hartford Target Retirement 2010 R5	12/21/06
[208]	HTTYX	Hartford Target Retirement 2010 Y	9/30/05
[209]	INJAX	Invesco Balanced-Risk Retire 2010 A	1/31/07
[210]	INJAX.lw	Invesco Balanced-Risk Retire 2010 A LW	1/31/07
[211]	VRAAX	Invesco Balanced-Risk Retire 2010 A5	6/1/10
[212]	INJBX	Invesco Balanced-Risk Retire 2010 B	1/31/07
[213]	INJCX	Invesco Balanced-Risk Retire 2010 C	1/31/07
[214]	VRACX	Invesco Balanced-Risk Retire 2010 C5	6/1/10
[215]	INJIX	Invesco Balanced-Risk Retire 2010 Instl	1/31/07
[216]	INJRX	Invesco Balanced-Risk Retire 2010 R	1/31/07
[217]	VRARX	Invesco Balanced-Risk Retire 2010 R5	6/1/10
[218]	INJYX	Invesco Balanced-Risk Retire 2010 Y	10/3/08
[219]		Invesco Peak Retirement 2010 A	4/30/21
[220]		Invesco Peak Retirement 2010 C	4/30/21
[221]		Invesco Peak Retirement 2010 R	4/30/21
[222]		Invesco Peak Retirement 2010 R5	4/30/21
[223]		Invesco Peak Retirement 2010 R6	4/30/21
[224]		Invesco Peak Retirement 2010 Y	4/30/21
[225]	JHANX	JHancock 2010 Lifetime Blend Pft A	6/21/21
[226]	JRLDX	JHancock 2010 Lifetime Blend Ptf 1	11/7/13
[227]	JRLFX	JHancock 2010 Lifetime Blend Ptf R4	11/7/13
[228]	JRLHX	JHancock 2010 Lifetime Blend Ptf R6	11/7/13

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[229]	JLAOX	JHancock Multimanager 2010 Lifetime 1	10/30/06
[230]	JLAAX	JHancock Multimanager 2010 Lifetime A	10/30/06
[231]	JLAAX.lw	JHancock Multimanager 2010 Lifetime A LW	10/30/06
[232]	JHRLX	JHancock Multimanager 2010 Lifetime I	3/27/15
[233]		JHancock Multimanager 2010 Lifetime R1	10/30/06
[234]	JLAEX	JHancock Multimanager 2010 Lifetime R2	3/1/12
[235]		JHancock Multimanager 2010 Lifetime R3	10/30/06
[236]		JHancock Multimanager 2010 Lifetime R4	10/30/06
[237]	JLAHX	JHancock Multimanager 2010 Lifetime R5	10/30/06
[238]	JLAIX	JHancock Multimanager 2010 Lifetime R6	9/1/11
[239]		JHancock Retire Living thru II 2010 R2	11/7/13
[240]		JHancock Retirement Choices at 2010 1	4/29/10
[241]		JHancock Retirement Choices at 2010 R1	9/4/12
[242]		JHancock Retirement Choices at 2010 R2	9/4/12
[243]		JHancock Retirement Choices at 2010 R4	4/30/12
[244]		JHancock Retirement Choices at 2010 R6	9/4/12
[245]	JLABX	JHancock2 Lifecycle 2010 B	10/30/06
[246]	JLACX	JHancock2 Lifecycle 2010 C	10/30/06
[247]	JLARX	JHancock2 Lifecycle 2010 R	10/30/06
[248]		JHancock2 Lifecycle 2010 R2 (obs)	10/30/06
[249]	JSWAX	JPMorgan SmartRetirement® 2010 A	5/15/06
[250]	JSWAX.lw	JPMorgan SmartRetirement® 2010 A LW	5/15/06
[251]	JSWCX	JPMorgan SmartRetirement® 2010 C	5/15/06
[252]	JSWIX	JPMorgan SmartRetirement® 2010 Instl	5/15/06
[253]	JSWZX	JPMorgan SmartRetirement® 2010 R2	11/3/08
[254]	JSWSX	JPMorgan SmartRetirement® 2010 Select	5/15/06
[255]		MainStay Retirement 2010 A	6/29/07
[256]	MYRAX.lw	MainStay Retirement 2010 A Load Waived	6/29/07
[257]		MainStay Retirement 2010 I	6/29/07
[258]		MainStay Retirement 2010 Inv	2/28/08
[259]		MainStay Retirement 2010 R1	8/21/14
[260]		MainStay Retirement 2010 R2	1/8/09
[261]		MainStay Retirement 2010 R3	5/1/08
[262]	MTHCX	Manning & Napier Target 2010 C	3/28/08
[263]	MTHIX	Manning & Napier Target 2010 I	3/28/08
[264]	MTHKX	Manning & Napier Target 2010 K	3/28/08
[265]	MTHRX	Manning & Napier Target 2010 R	3/28/08
[266]	MRXAX.lw	MassMutual RetireSMART 2010 A LW	12/31/03
[267]	MRXLX	MassMutual RetireSMART 2010 L	12/31/03
[268]		MassMutual RetireSMART by JPM 2010 A	12/31/03
[269]		MassMutual RetireSMART by JPM 2010 Adm	12/31/03
[270]		MassMutual RetireSMART by JPM 2010 I	4/1/14
[271]		MassMutual RetireSMART by JPM 2010 R3	12/31/03
[272]		MassMutual RetireSMART by JPM 2010 R4	4/1/14
[273]		MassMutual RetireSMART by JPM 2010 R5	4/1/14
[274]		MassMutual RetireSMART by JPM 2010 Svc	12/31/03
[275]	MMFBX	MassMutual Select TRP Retirement 2005 I	2/16/18
[276]	MMFGX	MassMutual Select TRP Retirement 2005 M3	2/16/18
[277]	MMFEX	MassMutual Select TRP Retirement 2005 M4	2/16/18
[278]	MMFDX	MassMutual Select TRP Retirement 2005 M5	2/16/18
[279]	MMXBX	MassMutual Select TRP Retirement 2010 I	2/16/18
[280]	MMXEX	MassMutual Select TRP Retirement 2010 M3	2/16/18
[281]	MMXDX	MassMutual Select TRP Retirement 2010 M4	2/16/18
[282]	MMXCX	MassMutual Select TRP Retirement 2010 M5	2/16/18
[283]		MFS Lifetime 2010 R2	9/29/05
[284]	MFSAX	MFS® Lifetime® 2010 A	9/29/05
[285]	MFSAX.lw	MFS® Lifetime® 2010 A Load Waived	9/29/05
[286]	MFSBX	MFS® Lifetime® 2010 B	9/29/05

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[287]	MFSDX	MFS® Lifetime® 2010 C	9/29/05
[288]		MFS® Lifetime® 2010 I	9/29/05
[289]	MFSEX	MFS® Lifetime® 2010 R1	9/29/05
[290]	MFSNX	MFS® Lifetime® 2010 R2	9/29/05
[291]	MFSOX	MFS® Lifetime® 2010 R3	9/29/05
[292]	MFSPX	MFS® Lifetime® 2010 R4	9/29/05
[293]		Mutual of America 2010 Retirement	11/5/07
[294]		Nationwide Destination 2010 A	8/29/07
[295]	NWDAX.lw	Nationwide Destination 2010 A LW	8/29/07
[296]		Nationwide Destination 2010 C	8/29/07
[297]		Nationwide Destination 2010 Instl Svc	8/29/07
[298]		Nationwide Destination 2010 R	8/29/07
[299]		Nationwide Destination 2010 R1	8/29/07
[300]		Nationwide Destination 2010 R6	8/29/07
[301]	TCLHX	Nuveen Lifecycle 2010 I	12/4/15
[302]	TCTPX	Nuveen Lifecycle 2010 Premier	9/30/09
[303]	TCTIX	Nuveen Lifecycle 2010 R6	1/17/07
[304]	TCLEX	Nuveen Lifecycle 2010 Retirement	10/15/04
[305]	TLTHX	Nuveen Lifecycle Index 2010 I	12/4/15
[306]	TLTPX	Nuveen Lifecycle Index 2010 Premier	9/30/09
[307]	TLTIX	Nuveen Lifecycle Index 2010 R6	9/30/09
[308]	TLTRX	Nuveen Lifecycle Index 2010 Retire	9/30/09
[309]	OTTAX	Oppenheimer Transition 2010 A	12/15/06
[310]	OTTAX.lw	Oppenheimer Transition 2010 A LW	12/15/06
[311]	OTTBX	Oppenheimer Transition 2010 B	12/15/06
[312]	OTTCX	Oppenheimer Transition 2010 C	12/15/06
[313]	OTTNX	Oppenheimer Transition 2010 N	12/15/06
[314]	OTTYX	Oppenheimer Transition 2010 Y	12/15/06
[315]	PWLFX	Payden/Wilshire Longevity 2010+	6/29/07
[316]		Presidential® Managed Risk 2010 A	11/2/11
[317]		Presidential® Managed Risk 2010 A LW	11/2/11
[318]		Presidential® Managed Risk 2010 C	11/2/11
[319]		Presidential® Managed Risk 2010 I	11/2/11
[320]		Principal LifeTime 2010 A	6/28/05
[321]	PENAX.lw	Principal LifeTime 2010 A Load Waived	6/28/05
[322]	PPECX	Principal LifeTime 2010 C	1/16/07
[323]		Principal LifeTime 2010 Institutional	3/1/01
[324]		Principal LifeTime 2010 J	6/15/01
[325]		Principal LifeTime 2010 R1	11/1/04
[326]		Principal LifeTime 2010 R2	3/1/01
[327]		Principal LifeTime 2010 R3	3/1/01
[328]		Principal LifeTime 2010 R4	3/1/01
[329]		Principal LifeTime 2010 R5	3/1/01
[330]		Prudential Day One 2010 R1	12/13/16
[331]		Prudential Day One 2010 R2	12/13/16
[332]		Prudential Day One 2010 R3	12/13/16
[333]		Prudential Day One 2010 R4	12/13/16
[334]		Prudential Day One 2010 R5	12/13/16
[335]		Prudential Day One 2010 R6	12/13/16
[336]	PRXRX	Putnam Retirement Ready 2010 A	11/1/04
[337]	PRXRX.lw	Putnam Retirement Ready 2010 A LW	11/1/04
[338]		Putnam Retirement Ready 2010 B	11/1/04
[339]		Putnam Retirement Ready 2010 C	11/1/04
[340]		Putnam Retirement Ready 2010 M	11/1/04
[341]		Putnam Retirement Ready 2010 R	11/1/04
[342]	PRRGX	Putnam Retirement Ready 2010 Y	11/1/04
[343]	RSRPX	RiverSource Retirement Plus 2010 R3	12/11/06
[344]		RiverSource Retirement Plus 2010 R4	12/11/06

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[345]	RSPRX	RiverSource Retirement Plus 2010 R5	12/11/06
[346]	RJLAX	Russell LifePoints 2010 Strategy A	8/31/05
[347]	RJLAX.lw	Russell LifePoints 2010 Strategy A LW	8/31/05
[348]	RJLEX	Russell LifePoints 2010 Strategy E	12/31/04
[349]	RJLRX	Russell LifePoints 2010 Strategy R1	6/6/06
[350]	RJLTX	Russell LifePoints 2010 Strategy R2	11/9/06
[351]	RJLDX	Russell LifePoints 2010 Strategy R3	12/31/04
[352]	RJLSX	Russell LifePoints 2010 Strategy S	12/31/04
[353]	SWBRX	Schwab Target 2010	7/1/05
[354]	SWYAX	Schwab Target 2010 Index	8/25/16
[355]		Schwab Target 2010 Index Investor	8/25/16
[356]	NLTAX	State Farm LifePath 2010 A	5/1/06
[357]	NLTAX.lw	State Farm LifePath 2010 A Load Waived	5/1/06
[358]	NLTBX	State Farm LifePath 2010 B	5/1/06
[359]	SATIX	State Farm LifePath 2010 Inst	5/9/03
[360]	SATAX	State Farm LifePath 2010 Legacy A	5/9/03
[361]	SATAX.lw	State Farm LifePath 2010 Legacy A LW	5/9/03
[362]	SATBX	State Farm LifePath 2010 Legacy B	5/9/03
[363]	RATOX	State Farm LifePath 2010 R1	9/13/04
[364]	RATTX	State Farm LifePath 2010 R2	9/13/04
[365]	RATHX	State Farm LifePath 2010 R3	9/13/04
[366]		SunAmerica 2010 High Watermark A	6/25/04
[367]		SunAmerica 2010 High Watermark A LW	6/25/04
[368]		SunAmerica 2010 High Watermark C	6/25/04
[369]		SunAmerica 2010 High Watermark I	2/17/05
[370]	TRRFX	T. Rowe Price Retirement 2005	2/27/04
[371]	PARGX	T. Rowe Price Retirement 2005 Advisor	5/31/07
[372]	TRAJX	T. Rowe Price Retirement 2005 I	11/13/23
[373]	RRTLX	T. Rowe Price Retirement 2005 R	5/31/07
[374]	TRRAX	T. Rowe Price Retirement 2010	9/30/02
[375]	PARAX	T. Rowe Price Retirement 2010 Advisor	10/31/03
[376]	TRPUX	T. Rowe Price Retirement 2010 I	11/13/23
[377]	RRTAX	T. Rowe Price Retirement 2010 R	10/31/03
[378]	TBLPX	T. Rowe Price Retirement Blend 2005	7/26/21
[379]	TBLAX	T. Rowe Price Retirement Blend 2005 I	7/26/21
[380]	TBLQX	T. Rowe Price Retirement Blend 2010	7/26/21
[381]	TBLBX	T. Rowe Price Retirement Blend 2010 I	7/26/21
[382]		T. Rowe Price Retirement I 2005 I	9/29/15
[383]		T. Rowe Price Retirement I 2010 I	9/29/15
[384]	TRARX	T. Rowe Price Target 2005	8/20/13
[385]	PANRX	T. Rowe Price Target 2005 Advisor	8/20/13
[386]	TFRRX	T. Rowe Price Target 2005 I	2/26/16
[387]	TRROX	T. Rowe Price Target 2010	8/20/13
[388]	PAERX	T. Rowe Price Target 2010 Advisor	8/20/13
[389]	TORFX	T. Rowe Price Target 2010 I	2/26/16
[390]	HTTBX	The Hartford Target Retirement 2010 B	9/30/05
[391]	HTTCX	The Hartford Target Retirement 2010 C	9/30/05
[392]		Tomorrow Short-Term Retirement Adv	3/7/96
[393]		Tomorrow Short-Term Retirement Instl	4/1/96
[394]		Van Kampen 2010 Retirement Strategy A	10/23/08
[395]		Van Kampen 2010 Retirement Strategy A LW	10/23/08
[396]		Van Kampen 2010 Retirement Strategy C	10/23/08
[397]	VRAIX	Van Kampen 2010 Retirement Strategy I	10/23/08
[398]		Van Kampen 2010 Retirement Strategy R	10/23/08
[399]		Vanguard Instl Trgt Retire 2010 Instl	6/26/15
[400]	VTOVX	Vanguard Target Retirement 2005 Inv	10/27/03
[401]		Vanguard Target Retirement 2010 Inv	6/7/06
[402]		Vantagepoint Milestone 2010 Inv M	1/3/05



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[403]		Vantagepoint Milestone 2010 TM	3/1/13
[404]	WFCTX	Wells Fargo Advtg DJ Trgt 2010 Inv	1/31/07
[405]		Wells Fargo Dow Jones Target 2010 B	3/3/97
[406]	STNRX.lw	Wells Fargo Target 2010 A Load Waived	3/1/94
[407]		XTF 2010 ETF A	4/2/07
[408]		XTF 2010 ETF A Load Waived	4/2/07
[409]		XTF 2010 ETF C	4/2/07
[410]		XTF 2010 ETF I	4/2/07
[411]		XTF 2010 ETF R	4/2/07
[412]		XTF ETF 2010 I	5/1/07
[413]		XTF ETF 2010 II	5/1/07
[414]		AB 2015 Retirement Strategy A	9/1/05
[415]		AB 2015 Retirement Strategy A LW	9/1/05
[416]		AB 2015 Retirement Strategy Advisor	9/1/05
[417]		AB 2015 Retirement Strategy B	9/1/05
[418]		AB 2015 Retirement Strategy C	9/1/05
[419]		AB 2015 Retirement Strategy I	9/1/05
[420]		AB 2015 Retirement Strategy K	9/1/05
[421]		AB 2015 Retirement Strategy R	9/1/05
[422]		AB Multi-Manager Select 2015 A	12/15/14
[423]	TDCAX.lw	AB Multi-Manager Select 2015 A LW	12/15/14
[424]		AB Multi-Manager Select 2015 Advisor	12/15/14
[425]		AB Multi-Manager Select 2015 C	12/15/14
[426]		AB Multi-Manager Select 2015 I	12/15/14
[427]		AB Multi-Manager Select 2015 K	12/15/14
[428]		AB Multi-Manager Select 2015 R	12/15/14
[429]		AB Multi-Manager Select 2015 Z	12/15/14
[430]		AllianzGI Retirement 2015 A	12/29/08
[431]		AllianzGI Retirement 2015 A Load Waived	12/29/08
[432]		AllianzGI Retirement 2015 Administrative	12/29/08
[433]		AllianzGI Retirement 2015 C	12/29/08
[434]		AllianzGI Retirement 2015 D	12/29/08
[435]		AllianzGI Retirement 2015 P	12/29/08
[436]		AllianzGI Retirement 2015 R	12/29/08
[437]		AllianzGI Retirement 2015 R6	12/29/08
[438]		Allspring Dynamic Target 2015 A	11/30/15
[439]		Allspring Dynamic Target 2015 Admin	8/26/22
[440]		Allspring Dynamic Target 2015 C	11/30/15
[441]		Allspring Dynamic Target 2015 R4	11/30/15
[442]		Allspring Dynamic Target 2015 R6	11/30/15
[443]		Allspring Target 2015 A	11/30/12
[444]		Allspring Target 2015 Admin	6/29/07
[445]		Allspring Target 2015 R	6/28/13
[446]		Allspring Target 2015 R4	11/30/12
[447]		Allspring Target 2015 R6	6/29/07
[448]	AHABX.lw	Allstate ClearTarget 2015 Retirement A LW	4/14/08
[449]	AHABX	Allstate ClearTarget 2015 Retirement A	4/14/08
[450]	AHCBX	Allstate ClearTarget 2015 Retirement C	4/14/08
[451]	AHAGX	Allstate ClearTarget 2015 Retirement GA	4/14/08
[452]	AHCGX	Allstate ClearTarget 2015 Retirement GC	4/14/08
[453]	AHIGX	Allstate ClearTarget 2015 Retirement GI	4/14/08
[454]	AHIBX	Allstate ClearTarget 2015 Retirement I	4/14/08
[455]	AAAJX	American Century One Chc Blnd+ 2015 A	3/10/21
[456]	AAAHX	American Century One Chc Blnd+ 2015 I	3/10/21
[457]	AAAFX	American Century One Chc Blnd+ 2015 Inv	3/10/21
[458]	AAAKX	American Century One Chc Blnd+ 2015 R	3/10/21
[459]	AAALX	American Century One Chc Blnd+ 2015 R6	3/10/21
[460]	ARFAX	American Century One Choice 2015 A	8/31/04

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[461]	ARFAX.lw	American Century One Choice 2015 A LW	8/31/04
[462]	AFNCX	American Century One Choice 2015 C	3/1/10
[463]	ARNIX	American Century One Choice 2015 Instl	8/31/04
[464]	ARFIX	American Century One Choice 2015 Inv	8/31/04
[465]	ARFRX	American Century One Choice 2015 R	8/31/04
[466]	ARNDX	American Century One Choice 2015 R6	7/31/13
[467]	AABTX.lw	American Funds 2015 Trgt Date Retir A LW	2/1/07
[468]	AABTX	American Funds 2015 Trgt Date Retire A	2/1/07
[469]		American Funds 2015 Trgt Date Retire B	2/21/14
[470]	CCBTX	American Funds 2015 Trgt Date Retire C	2/21/14
[471]	FAKTX	American Funds 2015 Trgt Date Retire F1	2/21/14
[472]	FBBTX	American Funds 2015 Trgt Date Retire F2	2/21/14
[473]	FDBTX	American Funds 2015 Trgt Date Retire F3	1/27/17
[474]	RAJTX	American Funds 2015 Trgt Date Retire R1	2/1/07
[475]	RBJTX	American Funds 2015 Trgt Date Retire R2	2/1/07
[476]	RBEJX	American Funds 2015 Trgt Date Retire R2E	8/29/14
[477]	RCJTX	American Funds 2015 Trgt Date Retire R3	2/1/07
[478]	RDBTX	American Funds 2015 Trgt Date Retire R4	2/1/07
[479]	REJTX	American Funds 2015 Trgt Date Retire R5	2/1/07
[480]	RHBTX	American Funds 2015 Trgt Date Retire R5E	11/20/15
[481]	RFJTX	American Funds 2015 Trgt Date Retire R6	7/13/09
[482]	NENPX	American Indep NestEgg 2015 A	11/1/02
[483]	NENPX.lw	American Indep NestEgg 2015 A LW	11/1/02
[484]	NENCX	American Indep NestEgg 2015 C	3/15/06
[485]	NEONX	American Indep NestEgg 2015 I	1/4/99
[486]	MAPQX	Aviva Investors MAP(SM) 2015 Inst	8/30/10
[487]	MAPVX	Aviva Investors MAP(SM) 2015 Inv	8/30/10
[488]		BMO Target Retirement 2015 I	12/27/13
[489]		BMO Target Retirement 2015 R3	12/27/13
[490]		BMO Target Retirement 2015 R6	12/27/13
[491]		BMO Target Retirement 2015 Y	12/27/13
[492]		Columbia Retirement 2015 A	5/31/06
[493]		Columbia Retirement 2015 C	5/31/06
[494]	BFCRX	Columbia Retirement 2015 R	5/31/06
[495]	BFCZX	Columbia Retirement 2015 Z	5/31/06
[496]	CLRAX	Columbia Retirement Plus 2015 A	5/18/06
[497]	CLRAX.lw	Columbia Retirement Plus 2015 A LW	5/18/06
[498]	CRPCX	Columbia Retirement Plus 2015 C	9/27/10
[499]	CLPRX	Columbia Retirement Plus 2015 R	12/11/06
[500]	RSFNX	Columbia Retirement Plus 2015 Z	5/18/06
[501]	DRIQX	Dimensional 2015 Target Dt Rtr Inc Instl	11/2/15
[502]	MXNYX	Empower Lifetime 2015 Instl	5/1/15
[503]	MXLYX	Empower Lifetime 2015 Inv	5/1/09
[504]	MXLZX	Empower Lifetime 2015 Svc	5/1/09
[505]	FTOAX	Federated Target ETF 2015 A	4/6/06
[506]	FTOAX.lw	Federated Target ETF 2015 A Load Waived	4/6/06
[507]	FTOSX	Federated Target ETF 2015 Instl	4/6/06
[508]	FTOKX	Federated Target ETF 2015 K	4/6/06
[509]	FFVAX	Fidelity Advisor Freedom 2015 A	11/6/03
[510]	FFVCX	Fidelity Advisor Freedom 2015 C	11/6/03
[511]	FFVIX	Fidelity Advisor Freedom 2015 I	11/6/03
[512]	FIGLX	Fidelity Advisor Freedom 2015 K6	6/6/17
[513]	FFVTX	Fidelity Advisor Freedom 2015 M	11/6/03
[514]	FIJKX	Fidelity Advisor Freedom 2015 Z	10/2/18
[515]	FJAXX	Fidelity Advisor Freedom Blend 2015 A	8/31/18
[516]	FJASX	Fidelity Advisor Freedom Blend 2015 C	8/31/18
[517]	FJAQX	Fidelity Advisor Freedom Blend 2015 I	8/31/18
[518]	FJATX	Fidelity Advisor Freedom Blend 2015 M	8/31/18

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[519]	FJAPX	Fidelity Advisor Freedom Blend 2015 Z	8/31/18
[520]		Fidelity Advisor Freedom Blend 2015 Z6	8/31/18
[521]	FFVAX.lw	Fidelity Advisor Freedom® 2015 A LW	11/6/03
[522]		Fidelity Advisor Freedom® 2015 B	11/6/03
[523]	FARSX.lw	Fidelity Advisor Managed Retirement 2 A LW	8/30/07
[524]		Fidelity Advisor Managed Retirement 2015 C	8/30/07
[525]		Fidelity Advisor Managed Retirement 2015 M	8/30/07
[526]	FARSX	Fidelity Advisor Managed Retirement 2015 A	8/30/07
[527]	FRASX	Fidelity Advisor Managed Retirement 2015 I	8/30/07
[528]		Fidelity Advisor Managed Retirement 2015 Z6	8/1/19
[529]	FURAX.lw	Fidelity Advisor Simplicity RMD 201 A LW	8/30/07
[530]		Fidelity Advisor Simplicity RMD 2015 A	8/30/07
[531]		Fidelity Advisor Simplicity RMD 2015 C	8/30/07
[532]		Fidelity Advisor Simplicity RMD 2015 I	8/30/07
[533]		Fidelity Advisor Simplicity RMD 2015 M	8/30/07
[534]	FSVOX	Fidelity Advisor Sust Trgt Dt 2015 A	5/11/23
[535]	FSVPX	Fidelity Advisor Sust Trgt Dt 2015 C	5/11/23
[536]	FSVUX	Fidelity Advisor Sust Trgt Dt 2015 I	5/11/23
[537]	FSVTX	Fidelity Advisor Sust Trgt Dt 2015 M	5/11/23
[538]	FSVWX	Fidelity Advisor Sust Trgt Dt 2015 Z	5/11/23
[539]		Fidelity Advisor Sust Trgt Dt 2015 Z6	5/11/23
[540]	FILSX	Fidelity Flex Freedom Blend 2015	6/8/17
[541]	FFVFX	Fidelity Freedom 2015	11/6/03
[542]	FSNLX	Fidelity Freedom 2015 K	7/20/17
[543]	FPTKX	Fidelity Freedom 2015 K6	6/7/17
[544]	FHAWX	Fidelity Freedom Blend 2015	8/31/18
[545]	FHEEX	Fidelity Freedom Blend 2015 K	8/31/18
[546]	FHODX	Fidelity Freedom Blend 2015 K6	8/31/18
[547]	FFBJX	Fidelity Freedom Blend 2015 Premier	4/6/21
[548]	FIWFX	Fidelity Freedom Index 2015 Instl Prem	6/24/15
[549]	FLIFX	Fidelity Freedom Index 2015 Investor	10/2/09
[550]	FFYPX	Fidelity Freedom Index 2015 Premier	6/24/20
[551]		Fidelity Freedom K® 2015	7/2/09
[552]	FIRSX	Fidelity Managed Retirement 2015	8/30/07
[553]	FKRSX	Fidelity Managed Retirement 2015 K	8/1/19
[554]	FJRSX	Fidelity Managed Retirement 2015 K6	8/1/19
[555]	FIRUX	Fidelity Simplicity RMD 2015	8/30/07
[556]	FSVNX	Fidelity Sustainable Target Date 2015	5/11/23
[557]	FSVZX	Fidelity Sustainable Target Date 2015 K	5/11/23
[558]	FSWBX	Fidelity Sustainable Target Date 2015 K6	5/11/23
[559]		Fidelity® Multi-Manager 2015	12/20/12
[560]		Fidelity® Multi-Manager 2015 L	12/4/13
[561]		Fidelity® Multi-Manager 2015 N	12/4/13
[562]	GRDAX	Goldman Sachs Retirement Str 2015 A	9/5/07
[563]	GRDAX.lw	Goldman Sachs Retirement Str 2015 A LW	9/5/07
[564]	GRDIX	Goldman Sachs Retirement Str 2015 Instl	9/5/07
[565]	GRDTX	Goldman Sachs Retirement Str 2015 IR	11/30/07
[566]	GRDRX	Goldman Sachs Retirement Str 2015 R	11/30/07
[567]	GRDSX	Goldman Sachs Retirement Str 2015 Svc	9/5/07
[568]	MXMZXX	Great-West Lifetime 2015 II Instl	5/1/15
[569]	MXLQX	Great-West Lifetime 2015 II L	4/7/11
[570]	MXLVX	Great-West Lifetime 2015 II T	5/1/09
[571]	MXLWX	Great-West Lifetime 2015 II T1	5/1/09
[572]		Great-West Lifetime 2015 L	4/22/16
[573]		Great-West Lifetime Cnsrv 2015 Instl	5/1/15
[574]		Great-West Lifetime Cnsrv 2015 Inv	5/1/09
[575]		Great-West Lifetime Cnsrv 2015 Svc	5/1/09
[576]		Great-West SecureFoundation® LT 2015 Inv	11/13/09



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[577]	Great-West SecureFoundation® LT 2015 L	1/31/11
[578]	Great-West SecureFoundation® LT 2015 Svc	11/13/09
[579]	Great-West SecureFoundation® LT 2015Inst	1/15/16
[580] GMFTX	GuideStone Funds MyDestination 2015 GS6	12/29/06
[581] GMTWX	Guidestone Funds MyDestination 2015 GS8	12/29/06
[582] GMTZX	GuideStone Funds MyDestination 2015 Inv	12/29/06
[583] GMTYX	GuideStone Funds MyDestination 2015Instl	5/1/17
[584]	Harbor Target Retirement 2015 Admin	1/2/09
[585]	Harbor Target Retirement 2015 Instl	1/2/09
[586]	Harbor Target Retirement 2015 Inv	1/2/09
[587] HTJRX	Hartford Target Retirement 2015 R3	11/3/08
[588] HTJSX	Hartford Target Retirement 2015 R4	11/3/08
[589] HTJTX	Hartford Target Retirement 2015 R5	11/3/08
[590] HTJYX	Hartford Target Retirement 2015 Y	2/28/13
[591]	Invesco Peak Retirement 2015 A	12/29/17
[592]	Invesco Peak Retirement 2015 C	12/29/17
[593]	Invesco Peak Retirement 2015 R	12/29/17
[594]	Invesco Peak Retirement 2015 R5	12/29/17
[595]	Invesco Peak Retirement 2015 R6	12/29/17
[596]	Invesco Peak Retirement 2015 Y	12/29/17
[597] JHAOX	JHancock 2015 Lifetime Blend Pft A	6/21/21
[598] JRLIX	JHancock 2015 Lifetime Blend Ptf 1	11/7/13
[599] JRLKX	JHancock 2015 Lifetime Blend Ptf R4	11/7/13
[600] JRL LX	JHancock 2015 Lifetime Blend Ptf R6	11/7/13
[601] JLBOX	JHancock Multimanager 2015 Lifetime 1	10/30/06
[602] JLBAX	JHancock Multimanager 2015 Lifetime A	10/30/06
[603] JLBAX.lw	JHancock Multimanager 2015 Lifetime A LW	10/30/06
[604] JHREX	JHancock Multimanager 2015 Lifetime I	3/27/15
[605]	JHancock Multimanager 2015 Lifetime R1	10/30/06
[606] JLBKX	JHancock Multimanager 2015 Lifetime R2	3/1/12
[607]	JHancock Multimanager 2015 Lifetime R3	10/30/06
[608] JLBGX	JHancock Multimanager 2015 Lifetime R4	10/30/06
[609] JLBHX	JHancock Multimanager 2015 Lifetime R5	10/30/06
[610] JLBXJ	JHancock Multimanager 2015 Lifetime R6	9/1/11
[611]	JHancock Retire Living thru II 2015 R2	11/7/13
[612] JLXXX	JHancock2 Lifecycle 2015 B	10/30/06
[613] JLBCX	JHancock2 Lifecycle 2015 C	10/30/06
[614] JLBRX	JHancock2 Lifecycle 2015 R	10/30/06
[615] JLBXX	JHancock2 Lifecycle 2015 R2 (obs)	10/30/06
[616]	JPMorgan SmartRet Bld 2015 I	7/2/12
[617]	JPMorgan SmartRet Bld 2015 R5	7/2/12
[618]	JPMorgan SmartRet Bld 2015 R6	7/2/12
[619]	JPMorgan SmartRet® Bld 2015 A	12/30/16
[620]	JPMorgan SmartRetirement® 2015 A	5/15/06
[621]	JPMorgan SmartRetirement® 2015 A LW	5/15/06
[622]	JPMorgan SmartRetirement® 2015 C	5/15/06
[623]	JPMorgan SmartRetirement® 2015 I	5/15/06
[624]	JPMorgan SmartRetirement® 2015 R2	11/3/08
[625]	JPMorgan SmartRetirement® 2015 R5	5/15/06
[626]	JPMorgan SmartRetirement® 2015 R6	11/3/14
[627]	JPMorgan SmartRetirement® Blend 2015 I	12/30/16
[628]	JPMorgan SmartRetirement® Blend 2015 R2	12/30/16
[629]	JPMorgan SmartRetirement® Blend 2015 R3	12/30/16
[630]	JPMorgan SmartRetirement® Blend 2015 R4	12/30/16
[631]	JPMorgan SmartRetirement® Blend 2015 R5	12/30/16
[632]	JPMorgan SmartRetirement® Blend 2015 R6	12/30/16
[633] MTJCX	Manning & Napier Target 2015 C	6/25/12
[634]	Manning & Napier Target 2015 I	6/25/12

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[635]		Manning & Napier Target 2015 K	6/25/12
[636]		Manning & Napier Target 2015 R	6/25/12
[637]		Manning & Napier Target 2015 R6	10/16/17
[638]	MMJAX.lw	MassMutual RetireSMART 2015 A LW	4/1/10
[639]	MMJLX	MassMutual RetireSMART 2015 L	4/1/10
[640]		MassMutual RetireSMART by JPM 2015 A	4/1/10
[641]		MassMutual RetireSMART by JPM 2015 Adm	4/1/10
[642]		MassMutual RetireSMART by JPM 2015 I	4/1/14
[643]		MassMutual RetireSMART by JPM 2015 R3	4/1/14
[644]		MassMutual RetireSMART by JPM 2015 R4	4/1/14
[645]		MassMutual RetireSMART by JPM 2015 R5	4/1/14
[646]		MassMutual RetireSMART by JPM 2015 Svc	4/1/10
[647]	MMFHX	MassMutual Select TRP Retirement 2015 I	2/16/18
[648]	MMFLX	MassMutual Select TRP Retirement 2015 M3	2/16/18
[649]	MMFKX	MassMutual Select TRP Retirement 2015 M4	2/16/18
[650]	MMFJX	MassMutual Select TRP Retirement 2015 M5	2/16/18
[651]		MFS Lifetime 2015 A	11/2/12
[652]		MFS Lifetime 2015 A Load Waived	11/2/12
[653]		MFS Lifetime 2015 B	11/2/12
[654]		MFS Lifetime 2015 C	11/2/12
[655]		MFS Lifetime 2015 I	11/2/12
[656]		MFS Lifetime 2015 R1	11/2/12
[657]		MFS Lifetime 2015 R2	11/2/12
[658]		MFS Lifetime 2015 R3	11/2/12
[659]		MFS Lifetime 2015 R4	11/2/12
[660]	MURFX	MoA Clear Passage 2015 Fund	11/5/07
[661]	NSFBX	Natixis Target Retirement 2015 N	2/28/17
[662]	TCNHX	Nuveen Lifecycle 2015 I	12/4/15
[663]	TCFPX	Nuveen Lifecycle 2015 Premier	9/30/09
[664]	TCNIX	Nuveen Lifecycle 2015 R6	1/17/07
[665]	TCLIX	Nuveen Lifecycle 2015 Retirement	10/15/04
[666]	TLFAX	Nuveen Lifecycle Index 2015 I	12/4/15
[667]	TLFPX	Nuveen Lifecycle Index 2015 Premier	9/30/09
[668]	TLFIX	Nuveen Lifecycle Index 2015 R6	9/30/09
[669]	TLGRX	Nuveen Lifecycle Index 2015 Retire	9/30/09
[670]	OTFAX	Oppenheimer Transition 2015 A	12/15/06
[671]	OTFAX.lw	Oppenheimer Transition 2015 A LW	12/15/06
[672]	OTBFX	Oppenheimer Transition 2015 B	12/15/06
[673]	OTFFX	Oppenheimer Transition 2015 C	12/15/06
[674]	OTFNX	Oppenheimer Transition 2015 N	12/15/06
[675]	OTFYX	Oppenheimer Transition 2015 Y	12/15/06
[676]	PDCDX	PGIM Target Date 2015 R1	12/13/16
[677]	PDCEX	PGIM Target Date 2015 R2	12/13/16
[678]	PDCFX	PGIM Target Date 2015 R3	12/13/16
[679]	PDCGX	PGIM Target Date 2015 R4	12/13/16
[680]	PDCHX	PGIM Target Date 2015 R5	12/13/16
[681]	PDCJX	PGIM Target Date 2015 R6	12/13/16
[682]	PTNYX	PIMCO RealRetirement 2015 A	6/30/11
[683]	PTNYX.lw	PIMCO RealRetirement 2015 A Load Waived	6/30/11
[684]	PTNNX	PIMCO RealRetirement 2015 Administrative	6/30/11
[685]	PTNWX	PIMCO RealRetirement 2015 C	6/30/11
[686]	PTNUX	PIMCO RealRetirement 2015 D	6/30/11
[687]	PTNIX	PIMCO RealRetirement 2015 Institutional	6/30/11
[688]	PTNQX	PIMCO RealRetirement 2015 P	10/31/11
[689]	PTNSX	PIMCO RealRetirement 2015 R	6/30/11
[690]	LTINX	Principal LifeTime 2015 Institutional	2/29/08
[691]	LTSGX	Principal LifeTime 2015 R1	2/29/08
[692]		Principal LifeTime 2015 R2	2/29/08

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[693]	LTAPX	Principal LifeTime 2015 R3	2/29/08
[694]	LTSLX	Principal LifeTime 2015 R4	2/29/08
[695]	LTPFX	Principal LifeTime 2015 R5	2/29/08
[696]	PHTMX	Principal LifeTime Hybrid 2015 Instl	9/30/14
[697]	PHJMX	Principal LifeTime Hybrid 2015 J	3/1/18
[698]		Principal LifeTime Hybrid 2015 R-3	3/1/19
[699]		Principal LifeTime Hybrid 2015 R-5	3/1/19
[700]	PLRRX	Principal LifeTime Hybrid 2015 R6	8/24/15
[701]		Putnam RetirementReady 2015 A	11/1/04
[702]		Putnam RetirementReady 2015 A LW	11/1/04
[703]		Putnam RetirementReady 2015 B	11/1/04
[704]		Putnam RetirementReady 2015 C	11/1/04
[705]		Putnam RetirementReady 2015 M	11/1/04
[706]		Putnam RetirementReady 2015 R	11/1/04
[707]		Putnam RetirementReady 2015 Y	11/1/04
[708]	LMFAX.lw	QS Legg Mason Target Retirement 201 A LW	8/29/08
[709]	LMFAX	QS Legg Mason Target Retirement 2015 A	8/29/08
[710]	LMFCX	QS Legg Mason Target Retirement 2015 C	8/29/08
[711]	LMMFX	QS Legg Mason Target Retirement 2015 FI	8/29/08
[712]	LMFIX	QS Legg Mason Target Retirement 2015 I	8/29/08
[713]	LMFSX	QS Legg Mason Target Retirement 2015 IS	8/29/08
[714]	LMFRX	QS Legg Mason Target Retirement 2015 R	8/29/08
[715]	LVFAX.lw	RidgeWorth Life Vision Target Date 20 LW	1/5/07
[716]	LVFAX	RidgeWorth Life Vision Target Date 2015A	1/5/07
[717]	LVFCX	RidgeWorth Life Vision Target Date 2015C	11/1/05
[718]	LVFIX	RidgeWorth Life Vision Target Date 2015I	10/12/05
[719]	RSRTX	RiverSource Retirement Plus 2015 R3	12/11/06
[720]		RiverSource Retirement Plus 2015 R4	12/11/06
[721]	RSCUX	RiverSource Retirement Plus 2015 R5	12/11/06
[722]	RKLRX	Russell LifePoints 2015 Strategy R1	3/31/08
[723]	RKLUX	Russell LifePoints 2015 Strategy R4	3/31/08
[724]		Russell LifePoints 2015 Strategy R4 {mg}	10/1/14
[725]	RKLVX	Russell LifePoints 2015 Strategy R5	3/31/08
[726]		Russell LifePoints 2015 Strategy R5 {mg}	10/1/14
[727]	SWGRX	Schwab Target 2015	3/12/08
[728]	SWYBX	Schwab Target 2015 Index	8/25/16
[729]		Schwab Target 2015 Index Investor	8/25/16
[730]	STJAX	Seligman TargETFund 2015 A	10/3/05
[731]	STJAX.lw	Seligman TargETFund 2015 A Load Waived	10/3/05
[732]	STJCX	Seligman TargETFund 2015 C	10/3/05
[733]		Seligman TargETFund 2015 D	10/3/05
[734]	STJRX	Seligman TargETFund 2015 R	10/3/05
[735]	STJIX	Seligman TargETFund 2015 R5	10/3/05
[736]		State Street Target Retirement 2015 A	9/30/14
[737]	SSBBX.lw	State Street Target Retirement 2015 A LW	9/30/14
[738]		State Street Target Retirement 2015 C	3/23/16
[739]		State Street Target Retirement 2015 I	9/30/14
[740]		State Street Target Retirement 2015 K	9/30/14
[741]	TRRGX	T. Rowe Price Retirement 2015	2/27/04
[742]	PARHX	T. Rowe Price Retirement 2015 Advisor	5/31/07
[743]	TRUBX	T. Rowe Price Retirement 2015 I	11/13/23
[744]	RRTMX	T. Rowe Price Retirement 2015 R	5/31/07
[745]	TBLSX	T. Rowe Price Retirement Blend 2015	7/26/21
[746]	TBLCX	T. Rowe Price Retirement Blend 2015 I	7/26/21
[747]		T. Rowe Price Retirement I 2015 I	9/29/15
[748]	TRRTX	T. Rowe Price Target 2015	8/20/13
[749]	PAHRX	T. Rowe Price Target 2015 Advisor	8/20/13
[750]	TTRTX	T. Rowe Price Target 2015 I	2/26/16

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[751]	TCFTX	Transamerica ClearTrack® 2015 R1	3/2/15
[752]	TCTGX	Transamerica ClearTrack® 2015 R3	3/1/19
[753]	TDKTX	Transamerica ClearTrack® 2015 R6	3/2/15
[754]	VRBAX	Van Kampen 2015 Retirement Strategy A	10/23/08
[755]	VRBAX.lw	Van Kampen 2015 Retirement Strategy A LW	10/23/08
[756]	VRBCX	Van Kampen 2015 Retirement Strategy C	10/23/08
[757]	VRBIX	Van Kampen 2015 Retirement Strategy I	10/23/08
[758]	VRBRX	Van Kampen 2015 Retirement Strategy R	10/23/08
[759]		Vanguard Instl Trgt Retire 2015 Instl	6/26/15
[760]		Vanguard Target Retirement 2015 Fund	10/27/03
[761]		Vantagepoint Milestone 2015 Inv M	1/3/05
[762]		Vantagepoint Milestone 2015 TM	3/1/13
[763]	VARTX.lw	Virtus DFA 2015 Trgt Date Retire In A LW	1/11/16
[764]		Virtus DFA 2015 Trgt Date Retire Inc A	1/11/16
[765]		Virtus DFA 2015 Trgt Date Retire Inc I	1/11/16
[766]		Virtus DFA 2015 Trgt Date Retire Inc R6	1/11/16
[767]		Virtus DFA 2015 Trgt Date Retire Inc T	4/13/17
[768]	ISAAAX	Voya Index Solution 2015 Port A	3/10/08
[769]	ISSIX	Voya Index Solution 2015 Port I	3/10/08
[770]	ISASX	Voya Index Solution 2015 Port S	3/10/08
[771]	ISXVX	Voya Index Solution 2015 Port S2	5/28/09
[772]	ISATX	Voya Index Solution 2015 Port T	3/10/08
[773]	ISOAX	Voya Solution 2015 Port A	4/29/05
[774]	ISOIX	Voya Solution 2015 Port I	4/29/05
[775]	ISOSX	Voya Solution 2015 Port S	4/29/05
[776]	ISPAX	Voya Solution 2015 Port S2	5/28/09
[777]	ISOTX	Voya Solution 2015 Port T	8/31/05
[778]	WFQEX	Wells Fargo Advtg DJ Trgt 2015 Inv	6/29/07
[779]	WDTAX.lw	Wells Fargo Dynamic Target 2015 A LW	11/30/15
[780]		Wells Fargo Dynamic Target 2015 R	11/30/15
[781]	WFACX.lw	Wells Fargo Target 2015 A Load Waived	11/30/12
[782]		XTF ETF 2015 I	5/1/07
[783]		XTF ETF 2015 II	5/1/07
[784]	TNIIX	1290 Retirement 2020 I	2/27/17
[785]		AB 2020 Retirement Strategy A	9/1/05
[786]		AB 2020 Retirement Strategy A LW	9/1/05
[787]		AB 2020 Retirement Strategy Advisor	9/1/05
[788]		AB 2020 Retirement Strategy B	9/1/05
[789]		AB 2020 Retirement Strategy C	9/1/05
[790]		AB 2020 Retirement Strategy I	9/1/05
[791]		AB 2020 Retirement Strategy K	9/1/05
[792]		AB 2020 Retirement Strategy R	9/1/05
[793]		AB Multi-Manager Select 2020 A	12/15/14
[794]	TDDAX.lw	AB Multi-Manager Select 2020 A LW	12/15/14
[795]		AB Multi-Manager Select 2020 Advisor	12/15/14
[796]		AB Multi-Manager Select 2020 C	12/15/14
[797]		AB Multi-Manager Select 2020 I	12/15/14
[798]		AB Multi-Manager Select 2020 K	12/15/14
[799]		AB Multi-Manager Select 2020 R	12/15/14
[800]		AB Multi-Manager Select 2020 Z	12/15/14
[801]		AllianzGI Retirement 2020 A	12/29/08
[802]	AGLAX.lw	AllianzGI Retirement 2020 A Load Waived	12/29/08
[803]		AllianzGI Retirement 2020 Administrative	12/29/08
[804]		AllianzGI Retirement 2020 C	12/29/08
[805]		AllianzGI Retirement 2020 D	12/29/08
[806]		AllianzGI Retirement 2020 P	12/29/08
[807]		AllianzGI Retirement 2020 R	12/29/08
[808]		AllianzGI Retirement 2020 R6	12/29/08

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[809]	Allspring Dynamic Target 2020 A	11/30/15	
[810]	Allspring Dynamic Target 2020 Admin	8/26/22	
[811]	Allspring Dynamic Target 2020 C	11/30/15	
[812]	Allspring Dynamic Target 2020 R4	11/30/15	
[813]	Allspring Dynamic Target 2020 R6	11/30/15	
[814]	Allspring Target 2020 A	3/1/94	
[815]	Allspring Target 2020 Admin	11/8/99	
[816]	Allspring Target 2020 C	12/1/98	
[817]	Allspring Target 2020 R	6/28/13	
[818]	Allspring Target 2020 R4	11/30/12	
[819]	Allspring Target 2020 R6	6/30/04	
[820]	ADABX.lw	Allstate ClearTarget 2020 Retirement A LW	4/14/08
[821]	ADABX	Allstate ClearTarget 2020 Retirement A	4/14/08
[822]	ADCBX	Allstate ClearTarget 2020 Retirement C	4/14/08
[823]	ADIBX	Allstate ClearTarget 2020 Retirement I	4/14/08
[824]	AABEX	American Century One Chc Blnd+ 2020 A	3/10/21
[825]	AAAOX	American Century One Chc Blnd+ 2020 I	3/10/21
[826]	AAAMX	American Century One Chc Blnd+ 2020 Inv	3/10/21
[827]	AABGX	American Century One Chc Blnd+ 2020 R	3/10/21
[828]	AABHX	American Century One Chc Blnd+ 2020 R6	3/10/21
[829]		American Century One Choice 2020 A	5/30/08
[830]	ARBMX.lw	American Century One Choice 2020 A LW	5/30/08
[831]		American Century One Choice 2020 C	3/1/10
[832]		American Century One Choice 2020 I	5/30/08
[833]		American Century One Choice 2020 Inv	5/30/08
[834]		American Century One Choice 2020 R	5/30/08
[835]		American Century One Choice 2020 R6	7/31/13
[836]		American Century One Choice 2020 R6 new	7/31/17
[837]	AACTX.lw	American Funds 2020 Trgt Date Retir A LW	2/1/07
[838]	AACTX	American Funds 2020 Trgt Date Retire A	2/1/07
[839]		American Funds 2020 Trgt Date Retire B	2/21/14
[840]	CCCTX	American Funds 2020 Trgt Date Retire C	2/21/14
[841]	FAOTX	American Funds 2020 Trgt Date Retire F1	2/21/14
[842]	FBCTX	American Funds 2020 Trgt Date Retire F2	2/21/14
[843]	FCCTX	American Funds 2020 Trgt Date Retire F3	1/27/17
[844]	RACTX	American Funds 2020 Trgt Date Retire R1	2/1/07
[845]	RBCTX	American Funds 2020 Trgt Date Retire R2	2/1/07
[846]	RBEHX	American Funds 2020 Trgt Date Retire R2E	8/29/14
[847]	RCCTX	American Funds 2020 Trgt Date Retire R3	2/1/07
[848]	RDCTX	American Funds 2020 Trgt Date Retire R4	2/1/07
[849]	RECTX	American Funds 2020 Trgt Date Retire R5	2/1/07
[850]	RHCTX	American Funds 2020 Trgt Date Retire R5E	11/20/15
[851]	RRCTX	American Funds 2020 Trgt Date Retire R6	7/13/09
[852]	NETPX	American Indep NestEgg 2020 A	11/1/02
[853]	NETPX.lw	American Indep NestEgg 2020 A LW	11/1/02
[854]	NEDJX	American Indep NestEgg 2020 C	3/15/06
[855]	NETWX	American Indep NestEgg 2020 I	1/4/99
[856]		BlackRock LifePath® Dyn 2020 Instl	3/1/94
[857]	LPRCX.lw	BlackRock LifePath® Dyn 2020 Invest A LW	4/30/01
[858]		BlackRock LifePath® Dyn 2020 Investor A	4/30/01
[859]		BlackRock LifePath® Dyn 2020 Investor C	5/3/10
[860]		BlackRock LifePath® Dyn 2020 K	5/30/08
[861]		BlackRock LifePath® Dyn 2020 R	5/3/10
[862]		BlackRock LifePath® Index 2020 Instl	5/31/11
[863]		BlackRock LifePath® Index 2020 Inv A	5/31/11
[864]		BlackRock LifePath® Index 2020 Inv P	8/6/18
[865]		BlackRock LifePath® Index 2020 K	5/31/11
[866]	BAPCX.lw	BlackRock LifePath® Smart Beta 2020 I LW	4/20/07



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[867]		BlackRock LifePath® Smart Beta 2020 Ins	11/27/12
[868]		BlackRock LifePath® Smart Beta 2020 InvA	4/20/07
[869]		BlackRock LifePath® Smart Beta 2020 K	4/20/07
[870]		BlackRock LifePath® Smart Beta 2020 R	4/20/07
[871]		BMO Target Retirement 2020 I	8/30/13
[872]		BMO Target Retirement 2020 R3	8/30/13
[873]		BMO Target Retirement 2020 R6	8/30/13
[874]		BMO Target Retirement 2020 Y	8/30/13
[875]		Columbia Adaptive Retirement 2020 Adv	10/24/17
[876]		Columbia Adaptive Retirement 2020 Inst3	10/24/17
[877]	BFDAX	Columbia Retirement 2020 A	5/31/06
[878]	BFDCX	Columbia Retirement 2020 C	5/31/06
[879]	BFDRX	Columbia Retirement 2020 R	5/31/06
[880]	BFDZX	Columbia Retirement 2020 Z	5/31/06
[881]		Columbia Retirement Plus 2020 A	5/18/06
[882]	CMPAX.lw	Columbia Retirement Plus 2020 A LW	5/18/06
[883]	CRUCX	Columbia Retirement Plus 2020 C	9/27/10
[884]	CMPRX	Columbia Retirement Plus 2020 R	12/11/06
[885]	RSNFX	Columbia Retirement Plus 2020 Z	5/18/06
[886]		Countdown to Retirement Retire 2020	6/30/94
[887]	DRIRX	Dimensional 2020 Target Dt Rtr Inc Instl	11/2/15
[888]	INCAX	DWS LifeCompass Income A	12/20/07
[889]	INCAX.lw	DWS LifeCompass Income A Load Waived	12/20/07
[890]	INCCX	DWS LifeCompass Income C	12/20/07
[891]	INCTX	DWS LifeCompass Income Institutional	12/20/07
[892]		DWS LifeCompass Income S	12/20/07
[893]		DWS LifeCompass Protect 2017 A	11/2/07
[894]		DWS LifeCompass Protect 2017 A LW	11/2/07
[895]		DWS LifeCompass Protect 2017 C	11/2/07
[896]		DWS LifeCompass Protect 2017 Instl	11/2/07
[897]	PROSX	DWS LifeCompass Protect 2017 S	11/2/07
[898]	MXAKX	Empower Lifetime 2020 Instl	4/28/16
[899]	MXAGX	Empower Lifetime 2020 Inv	4/29/16
[900]	MXAHX	Empower Lifetime 2020 Svc	4/28/16
[901]	FDAFX	Fidelity Advisor Freedom 2020 A	7/24/03
[902]	FDCFX	Fidelity Advisor Freedom 2020 C	7/24/03
[903]	FDIFX	Fidelity Advisor Freedom 2020 I	7/24/03
[904]	FOGLX	Fidelity Advisor Freedom 2020 K6	6/6/17
[905]	FDTFX	Fidelity Advisor Freedom 2020 M	7/24/03
[906]	FIJLX	Fidelity Advisor Freedom 2020 Z	10/2/18
[907]	FJAOX	Fidelity Advisor Freedom Blend 2020 A	8/31/18
[908]	FJALX	Fidelity Advisor Freedom Blend 2020 C	8/31/18
[909]	FJAJX	Fidelity Advisor Freedom Blend 2020 I	8/31/18
[910]	FJANX	Fidelity Advisor Freedom Blend 2020 M	8/31/18
[911]	FJAIX	Fidelity Advisor Freedom Blend 2020 Z	8/31/18
[912]		Fidelity Advisor Freedom Blend 2020 Z6	8/31/18
[913]	FDAFX.lw	Fidelity Advisor Freedom® 2020 A LW	7/24/03
[914]		Fidelity Advisor Freedom® 2020 B	7/24/03
[915]	FARVX.lw	Fidelity Advisor Managed Retirement 2 A LW	12/31/07
[916]	FARWX.lw	Fidelity Advisor Simplicity RMD 202 A LW	12/31/07
[917]		Fidelity Advisor Simplicity RMD 2020 A	12/31/07
[918]		Fidelity Advisor Simplicity RMD 2020 C	12/31/07
[919]		Fidelity Advisor Simplicity RMD 2020 I	12/31/07
[920]		Fidelity Advisor Simplicity RMD 2020 M	12/31/07
[921]	FSWEX	Fidelity Advisor Sust Trgt Dt 2020 A	5/11/23
[922]	FSWGX	Fidelity Advisor Sust Trgt Dt 2020 C	5/11/23
[923]	FSWJX	Fidelity Advisor Sust Trgt Dt 2020 I	5/11/23
[924]	FSWHX	Fidelity Advisor Sust Trgt Dt 2020 M	5/11/23

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[925]	FSWKX	Fidelity Advisor Sust Trgt Dt 2020 Z	5/11/23
[926]		Fidelity Advisor Sust Trgt Dt 2020 Z6	5/11/23
[927]		Fidelity Advisor® Managed Retrmt 2020 C	12/31/07
[928]		Fidelity Advisor® Managed Retrmt 2020 M	12/31/07
[929]	FULSX	Fidelity Flex Freedom Blend 2020	6/8/17
[930]	FFFDX	Fidelity Freedom 2020	10/17/96
[931]	FSNOX	Fidelity Freedom 2020 K	7/20/17
[932]	FATKX	Fidelity Freedom 2020 K6	6/7/17
[933]	FHAVX	Fidelity Freedom Blend 2020	8/31/18
[934]	FHCEX	Fidelity Freedom Blend 2020 K	8/31/18
[935]	FHNDX	Fidelity Freedom Blend 2020 K6	8/31/18
[936]	FFBLX	Fidelity Freedom Blnd 2020 Premier	4/6/21
[937]	FIWTX	Fidelity Freedom Index 2020 Instl Prem	6/24/15
[938]	FPIFX	Fidelity Freedom Index 2020 Investor	10/2/09
[939]	FKIPX	Fidelity Freedom Index 2020 Premier	6/24/20
[940]		Fidelity Freedom K® 2020	7/2/09
[941]	FIRVX	Fidelity Managed Retirement 2020	12/31/07
[942]	FKRVX	Fidelity Managed Retirement 2020 K	8/1/19
[943]	FHRVX	Fidelity Managed Retirement 2020 K6	8/1/19
[944]	FARVX	Fidelity Managed Retrmt 2020 A	12/31/07
[945]	FIIVX	Fidelity Managed Retrmt 2020 I	12/31/07
[946]		Fidelity Managed Retrmt 2020 Z6	8/1/19
[947]	FIRWX	Fidelity Simplicity RMD 2020	12/31/07
[948]	FSWDX	Fidelity Sustainable Target Date 2020	5/11/23
[949]	FSWMX	Fidelity Sustainable Target Date 2020 K	5/11/23
[950]	FSWNX	Fidelity Sustainable Target Date 2020 K6	5/11/23
[951]		Fidelity® Multi-Manager 2020	12/20/12
[952]		Fidelity® Multi-Manager 2020 L	12/4/13
[953]		Fidelity® Multi-Manager 2020 N	12/4/13
[954]	FLRMX.lw	Franklin LifeSmart™ 2020 Retire Trg A LW	7/1/13
[955]	FLRMX	Franklin LifeSmart™ 2020 Retire Trgt A	7/1/13
[956]	FLROX	Franklin LifeSmart™ 2020 Retire Trgt Adv	7/1/13
[957]	FLRQX	Franklin LifeSmart™ 2020 Retire Trgt C	7/1/13
[958]	FLRVX	Franklin LifeSmart™ 2020 Retire Trgt R	7/1/13
[959]	FRTSX	Franklin LifeSmart™ 2020 Retire Trgt R6	7/1/13
[960]	GRJAX	Goldman Sachs Retirement Str 2020 A	9/5/07
[961]	GRJAX.lw	Goldman Sachs Retirement Str 2020 A LW	9/5/07
[962]	GRJIX	Goldman Sachs Retirement Str 2020 Instl	9/5/07
[963]	GRJTX	Goldman Sachs Retirement Str 2020 IR	11/30/07
[964]	GRJRX	Goldman Sachs Retirement Str 2020 R	11/30/07
[965]	GRJSX	Goldman Sachs Retirement Str 2020 Svc	9/5/07
[966]	GTAHX.lw	Goldman Sachs Target Date 2020 A LW	8/22/16
[967]		Goldman Sachs Target Date 2020 R6 {mg}	8/19/16
[968]		Goldman Sachs Target Date Ret A	8/22/16
[969]		Goldman Sachs Target Date Ret Instl	8/22/16
[970]		Goldman Sachs Target Date Ret Inv	8/22/16
[971]		Goldman Sachs Target Date Ret R	8/22/16
[972]		Goldman Sachs Target Date Ret R6	10/1/07
[973]		Goldman Sachs Target Date Ret Svc	8/22/16
[974]		Great-West Lifetime 2020 L	4/28/16
[975]		Great-West Lifetime Cnsrv 2020 Instl	4/28/16
[976]		Great-West Lifetime Cnsrv 2020 Inv	4/29/16
[977]		Great-West Lifetime Cnsrv 2020 Svc	4/28/16
[978]		Great-West SecureFoundation® LT 2020 Inv	1/31/11
[979]		Great-West SecureFoundation® LT 2020 L	1/31/11
[980]		Great-West SecureFoundation® LT 2020 Svc	1/31/11
[981]		Harbor Target Retirement 2020 Admin	1/2/09
[982]		Harbor Target Retirement 2020 Instl	1/2/09

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[983]		Harbor Target Retirement 2020 Inv	1/2/09
[984]	HTWAX	Hartford Target Retirement 2020 A	9/30/05
[985]	HTWAX.lw	Hartford Target Retirement 2020 A LW	9/30/05
[986]	HTWRX	Hartford Target Retirement 2020 R3	12/21/06
[987]	HTWSX	Hartford Target Retirement 2020 R4	12/21/06
[988]	HTWTX	Hartford Target Retirement 2020 R5	12/21/06
[989]	HTWYX	Hartford Target Retirement 2020 Y	9/30/05
[990]		Invesco Balanced-Risk Retire 2020 A	1/31/07
[991]	AFTAX.lw	Invesco Balanced-Risk Retire 2020 A LW	1/31/07
[992]		Invesco Balanced-Risk Retire 2020 AX	6/1/10
[993]		Invesco Balanced-Risk Retire 2020 B	1/31/07
[994]		Invesco Balanced-Risk Retire 2020 C	1/31/07
[995]		Invesco Balanced-Risk Retire 2020 CX	6/1/10
[996]		Invesco Balanced-Risk Retire 2020 R	1/31/07
[997]		Invesco Balanced-Risk Retire 2020 R5	1/31/07
[998]		Invesco Balanced-Risk Retire 2020 R6	9/24/12
[999]		Invesco Balanced-Risk Retire 2020 RX	6/1/10
[1000]		Invesco Balanced-Risk Retire 2020 Y	10/3/08
[1001]		Invesco Peak Retirement 2020 A	12/29/17
[1002]		Invesco Peak Retirement 2020 C	12/29/17
[1003]		Invesco Peak Retirement 2020 R	12/29/17
[1004]		Invesco Peak Retirement 2020 R5	12/29/17
[1005]		Invesco Peak Retirement 2020 R6	12/29/17
[1006]		Invesco Peak Retirement 2020 Y	12/29/17
[1007]	JHAPX	JHancock 2020 Lifetime Blend Pft A	6/21/21
[1008]	JRLOX	JHancock 2020 Lifetime Blend Ptf 1	11/7/13
[1009]	JRLPX	JHancock 2020 Lifetime Blend Ptf R4	11/7/13
[1010]	JRTAX	JHancock 2020 Lifetime Blend Ptf R6	11/7/13
[1011]		JHancock Multi-Index 2020 Presv 1	4/30/10
[1012]		JHancock Multi-Index 2020 Presv R1	9/4/12
[1013]		JHancock Multi-Index 2020 Presv R2	9/4/12
[1014]		JHancock Multi-Index 2020 Presv R4	5/1/12
[1015]		JHancock Multi-Index 2020 Presv R6	9/4/12
[1016]	JLDOX	JHancock Multimanager 2020 Lifetime 1	10/30/06
[1017]	JLDAX	JHancock Multimanager 2020 Lifetime A	10/30/06
[1018]	JLDAX.lw	JHancock Multimanager 2020 Lifetime A LW	10/30/06
[1019]	JHRVX	JHancock Multimanager 2020 Lifetime I	3/27/15
[1020]		JHancock Multimanager 2020 Lifetime R1	10/30/06
[1021]	JLDEX	JHancock Multimanager 2020 Lifetime R2	3/1/12
[1022]		JHancock Multimanager 2020 Lifetime R3	10/30/06
[1023]	JLDGX	JHancock Multimanager 2020 Lifetime R4	10/30/06
[1024]	JLDHX	JHancock Multimanager 2020 Lifetime R5	10/30/06
[1025]	JLDIX	JHancock Multimanager 2020 Lifetime R6	9/1/11
[1026]		JHancock Retire Living thru II 2020 R2	11/7/13
[1027]	JLDBX	JHancock2 Lifecycle 2020 B	10/30/06
[1028]	JLDCX	JHancock2 Lifecycle 2020 C	10/30/06
[1029]	JLDRX	JHancock2 Lifecycle 2020 R	10/30/06
[1030]		JHancock2 Lifecycle 2020 R2 (obs)	10/30/06
[1031]	JTTAX	JPMorgan SmartRetirement® 2020 A	5/15/06
[1032]	JTTAX.lw	JPMorgan SmartRetirement® 2020 A LW	5/15/06
[1033]	JTTCX	JPMorgan SmartRetirement® 2020 C	5/15/06
[1034]	JTTSX	JPMorgan SmartRetirement® 2020 I	5/15/06
[1035]	JTTZX	JPMorgan SmartRetirement® 2020 R2	11/3/08
[1036]	JTPPX	JPMorgan SmartRetirement® 2020 R3	9/9/16
[1037]	JTTQX	JPMorgan SmartRetirement® 2020 R4	9/9/16
[1038]	JTTIX	JPMorgan SmartRetirement® 2020 R5	5/15/06
[1039]	JTTYX	JPMorgan SmartRetirement® 2020 R6	11/3/14
[1040]		JPMorgan SmartRetirement® Blend 2020 A	7/2/12



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[1041]		JPMorgan SmartRetirement® Blend 2020 C	7/2/12
[1042]	JSSRX	JPMorgan SmartRetirement® Blend 2020 I	7/2/12
[1043]	JIORX	JPMorgan SmartRetirement® Blend 2020 R2	7/2/12
[1044]	JSTKX	JPMorgan SmartRetirement® Blend 2020 R3	5/31/17
[1045]	JSTLX	JPMorgan SmartRetirement® Blend 2020 R4	5/31/17
[1046]	JBSRX	JPMorgan SmartRetirement® Blend 2020 R5	7/2/12
[1047]	JSYRX	JPMorgan SmartRetirement® Blend 2020 R6	7/2/12
[1048]		JPMorgan SmartSpending 2020 A	7/1/20
[1049]		JPMorgan SmartSpending 2020 I	7/1/20
[1050]		JPMorgan SmartSpending 2020 R2	7/1/20
[1051]		JPMorgan SmartSpending 2020 R3	7/1/20
[1052]		JPMorgan SmartSpending 2020 R4	7/1/20
[1053]		JPMorgan SmartSpending 2020 R5	7/1/20
[1054]		JPMorgan SmartSpending 2020 R6	7/1/20
[1055]		KP Retirement Path 2020 Institutional	1/10/14
[1056]		MainStay Retirement 2020 A	6/29/07
[1057]	MYROX.lw	MainStay Retirement 2020 A Load Waived	6/29/07
[1058]		MainStay Retirement 2020 I	6/29/07
[1059]		MainStay Retirement 2020 Inv	2/28/08
[1060]		MainStay Retirement 2020 R1	8/21/14
[1061]		MainStay Retirement 2020 R2	1/8/09
[1062]		MainStay Retirement 2020 R3	5/1/08
[1063]	MTNCX	Manning & Napier Target 2020 C	3/28/08
[1064]		Manning & Napier Target 2020 I	3/28/08
[1065]		Manning & Napier Target 2020 K	3/28/08
[1066]		Manning & Napier Target 2020 R	3/28/08
[1067]		Manning & Napier Target 2020 R6	10/16/17
[1068]	MRTAX.lw	MassMutual RetireSMART 2020 A LW	12/31/03
[1069]	MRTLX	MassMutual RetireSMART 2020 L	12/31/03
[1070]	MRTAX	MassMutual RetireSMART by JPM 2020 A	12/31/03
[1071]	MRTYX	MassMutual RetireSMART by JPM 2020 Adm	12/31/03
[1072]	MRTDX	MassMutual RetireSMART by JPM 2020 I	4/1/14
[1073]	MRTNX	MassMutual RetireSMART by JPM 2020 R3	12/31/03
[1074]	MRTHX	MassMutual RetireSMART by JPM 2020 R4	4/1/14
[1075]	MRTBX	MassMutual RetireSMART by JPM 2020 R5	4/1/14
[1076]	MRTSX	MassMutual RetireSMART by JPM 2020 Svc	12/31/03
[1077]	MMTWX	MassMutual Select TRP Retirement 2020 I	2/16/18
[1078]	MMTVX	MassMutual Select TRP Retirement 2020 M3	2/16/18
[1079]	MMTUX	MassMutual Select TRP Retirement 2020 M4	2/16/18
[1080]	MMTTX	MassMutual Select TRP Retirement 2020 M5	2/16/18
[1081]		MFS Lifetime 2020 A	9/29/05
[1082]	MFLAX.lw	MFS Lifetime 2020 A Load Waived	9/29/05
[1083]		MFS Lifetime 2020 B	9/29/05
[1084]		MFS Lifetime 2020 C	9/29/05
[1085]		MFS Lifetime 2020 I	9/29/05
[1086]		MFS Lifetime 2020 R1	9/29/05
[1087]		MFS Lifetime 2020 R2	9/29/05
[1088]		MFS Lifetime 2020 R2	9/29/05
[1089]		MFS Lifetime 2020 R3	9/29/05
[1090]		MFS Lifetime 2020 R4	9/29/05
[1091]		MFS Lifetime 2020 R6	8/29/16
[1092]	MURGX	MoA Clear Passage 2020 Fund	11/5/07
[1093]		Nationwide Destination 2020 A	8/29/07
[1094]	NWAFX.lw	Nationwide Destination 2020 A LW	8/29/07
[1095]		Nationwide Destination 2020 C	8/29/07
[1096]		Nationwide Destination 2020 Instl Svc	8/29/07
[1097]		Nationwide Destination 2020 R	8/29/07
[1098]		Nationwide Destination 2020 R1	8/29/07

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[1099]		Nationwide Destination 2020 R6	8/29/07
[1100]	NSFDX	Natixis Target Retirement 2020 N	2/28/17
[1101]	TCWHX	Nuveen Lifecycle 2020 I	12/4/15
[1102]	TCWPX	Nuveen Lifecycle 2020 Premier	9/30/09
[1103]	TCWIX	Nuveen Lifecycle 2020 R6	1/17/07
[1104]	TCLTX	Nuveen Lifecycle 2020 Retirement	10/15/04
[1105]	TLWHX	Nuveen Lifecycle Index 2020 I	12/4/15
[1106]	TLWPX	Nuveen Lifecycle Index 2020 Premier	9/30/09
[1107]	TLWIX	Nuveen Lifecycle Index 2020 R6	9/30/09
[1108]	TLWRX	Nuveen Lifecycle Index 2020 Retire	9/30/09
[1109]	OTAIX	Old Mutual 2011-2020 Aggressive A	1/2/09
[1110]	OTAIX.lw	Old Mutual 2011-2020 Aggressive A LW	1/2/09
[1111]	OTAAX	Old Mutual 2011-2020 Aggressive Instl	3/3/08
[1112]	OTCPX	Old Mutual 2011-2020 Conservative A	1/2/09
[1113]	OTCPX.lw	Old Mutual 2011-2020 Conservative A LW	1/2/09
[1114]	OTCDX	Old Mutual 2011-2020 Conservative Instl	3/3/08
[1115]	OTMFX	Old Mutual 2011-2020 Mod A	1/2/09
[1116]	OTMFX.lw	Old Mutual 2011-2020 Mod A Load Waived	1/2/09
[1117]	OTMBX	Old Mutual 2011-2020 Moderate Instl	3/3/08
[1118]	OTWAX	Oppenheimer Transition 2020 A	12/15/06
[1119]	OTWAX.lw	Oppenheimer Transition 2020 A LW	12/15/06
[1120]	OTWBX	Oppenheimer Transition 2020 B	12/15/06
[1121]	OTWCX	Oppenheimer Transition 2020 C	12/15/06
[1122]	OTWNX	Oppenheimer Transition 2020 N	12/15/06
[1123]	OTWYX	Oppenheimer Transition 2020 Y	12/15/06
[1124]	PWLHX	Payden/Wilshire Longevity 2020+	6/29/07
[1125]	PDDDX	PGIM Target Date 2020 R1	12/13/16
[1126]	PDDEX	PGIM Target Date 2020 R2	12/13/16
[1127]	PDDFX	PGIM Target Date 2020 R3	12/13/16
[1128]	PDDGX	PGIM Target Date 2020 R4	12/13/16
[1129]	PDDHX	PGIM Target Date 2020 R5	12/13/16
[1130]	PDDJX	PGIM Target Date 2020 R6	12/13/16
[1131]		PIMCO RealPath Blend 2020 A	12/31/14
[1132]	PBZAX.lw	PIMCO RealPath Blend 2020 A Load Waived	12/31/14
[1133]		PIMCO RealPath Blend 2020 Administrative	12/31/14
[1134]		PIMCO RealPath Blend 2020 Institutional	12/31/14
[1135]		PIMCO RealPath™ 2020 A	3/31/08
[1136]	PTYAX.lw	PIMCO RealPath™ 2020 A Load Waived	3/31/08
[1137]		PIMCO RealPath™ 2020 Administrative	6/30/08
[1138]		PIMCO RealPath™ 2020 C	7/31/08
[1139]		PIMCO RealPath™ 2020 D	3/31/08
[1140]		PIMCO RealPath™ 2020 Institutional	3/31/08
[1141]		PIMCO RealPath™ 2020 P	10/31/11
[1142]		PIMCO RealPath™ 2020 R	7/31/08
[1143]		PNC Target 2020 I	9/28/12
[1144]		PNC Target 2020 T	4/28/15
[1145]		Presidential® Managed Risk 2020 A	11/2/11
[1146]		Presidential® Managed Risk 2020 A LW	11/2/11
[1147]		Presidential® Managed Risk 2020 C	11/2/11
[1148]		Presidential® Managed Risk 2020 I	11/2/11
[1149]	PTBAX	Principal LifeTime 2020 A	6/28/05
[1150]	PTBAX.lw	Principal LifeTime 2020 A Load Waived	6/28/05
[1151]		Principal LifeTime 2020 B	6/28/05
[1152]	PPLFX	Principal LifeTime 2020 C	1/16/07
[1153]	PLWIX	Principal LifeTime 2020 Institutional	3/1/01
[1154]	PLFJX	Principal LifeTime 2020 J	6/15/01
[1155]	PWASX	Principal LifeTime 2020 R1	11/1/04
[1156]		Principal LifeTime 2020 R2	3/1/01

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[1157]	PTBMX	Principal LifeTime 2020 R3	3/1/01
[1158]	PTBSX	Principal LifeTime 2020 R4	3/1/01
[1159]	PTBPX	Principal LifeTime 2020 R5	3/1/01
[1160]	PHTTX	Principal LifeTime Hybrid 2020 Instl	9/30/14
[1161]	PHJTX	Principal LifeTime Hybrid 2020 J	3/1/18
[1162]		Principal LifeTime Hybrid 2020 R-3	3/1/19
[1163]		Principal LifeTime Hybrid 2020 R-5	3/1/19
[1164]	PLTTX	Principal LifeTime Hybrid 2020 R6	8/24/15
[1165]		Putnam Retirement Advantage 2020 A	9/1/20
[1166]		Putnam Retirement Advantage 2020 C	9/1/20
[1167]		Putnam Retirement Advantage 2020 R	9/1/20
[1168]		Putnam Retirement Advantage 2020 R3	9/1/20
[1169]		Putnam Retirement Advantage 2020 R4	9/1/20
[1170]		Putnam Retirement Advantage 2020 R5	9/1/20
[1171]		Putnam Retirement Advantage 2020 R6	12/31/19
[1172]		Putnam Retirement Advantage 2020 Y	9/1/20
[1173]		Putnam RetirementReady 2020 A	11/1/04
[1174]	PRRMX.lw	Putnam RetirementReady 2020 A LW	11/1/04
[1175]		Putnam RetirementReady 2020 B	11/1/04
[1176]		Putnam RetirementReady 2020 C	11/1/04
[1177]		Putnam RetirementReady 2020 M	11/1/04
[1178]		Putnam RetirementReady 2020 R	11/1/04
[1179]		Putnam RetirementReady 2020 R6	9/1/16
[1180]		Putnam RetirementReady 2020 Y	11/1/04
[1181]	LMWAX.lw	QS Legg Mason Target Retirement 202 A LW	8/29/08
[1182]	LMWAX	QS Legg Mason Target Retirement 2020 A	8/29/08
[1183]	LMWCX	QS Legg Mason Target Retirement 2020 C	8/29/08
[1184]	LMWFX	QS Legg Mason Target Retirement 2020 FI	8/29/08
[1185]	LMWIX	QS Legg Mason Target Retirement 2020 I	8/29/08
[1186]	LMWSX	QS Legg Mason Target Retirement 2020 IS	8/29/08
[1187]	LMWRX	QS Legg Mason Target Retirement 2020 R	8/29/08
[1188]	RSEPX	RiverSource Retirement Plus 2020 R3	12/11/06
[1189]	RSMTX	RiverSource Retirement Plus 2020 R4	12/11/06
[1190]	RSUCX	RiverSource Retirement Plus 2020 R5	12/11/06
[1191]	RLLAX.lw	Russell Inv LifePoints 2020 Strateg A LW	8/31/05
[1192]		Russell Inv LifePoints 2020 Strategy A	8/31/05
[1193]		Russell Inv LifePoints 2020 Strategy E	12/31/04
[1194]		Russell Inv LifePoints 2020 Strategy R1	6/7/06
[1195]		Russell Inv LifePoints 2020 Strategy R4	9/7/06
[1196]		Russell Inv LifePoints 2020 Strategy R5	12/31/04
[1197]		Russell Inv LifePoints 2020 Strategy S	12/31/04
[1198]		Russell LifePoints 2020 Strategy R4 {mg}	10/1/14
[1199]		Russell LifePoints 2020 Strategy R5 {mg}	10/1/14
[1200]	SWCRX	Schwab Target 2020	7/1/05
[1201]	SWY LX	Schwab Target 2020 Index	8/25/16
[1202]		Schwab Target 2020 Index Investor	8/25/16
[1203]		State Farm LifePath 2020 A	5/1/06
[1204]	NLWAX.lw	State Farm LifePath 2020 A Load Waived	5/1/06
[1205]		State Farm LifePath 2020 B	5/1/06
[1206]		State Farm LifePath 2020 Inst	5/9/03
[1207]		State Farm LifePath 2020 Legacy B	5/9/03
[1208]		State Farm LifePath 2020 Premier	5/9/03
[1209]	SAWAX.lw	State Farm LifePath 2020 Premier LW	5/9/03
[1210]		State Farm LifePath 2020 R1	9/13/04
[1211]		State Farm LifePath 2020 R2	9/13/04
[1212]		State Farm LifePath 2020 R3	9/13/04
[1213]		State Street Target Retirement 2020 A	9/30/14
[1214]	SSBJX.lw	State Street Target Retirement 2020 A LW	9/30/14

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[1215]	State Street Target Retirement 2020 C	1/6/16
[1216] SSBNX	State Street Target Retirement 2020 I	9/30/14
[1217] SSBOX	State Street Target Retirement 2020 K	9/30/14
[1218] SSADX	State Street Target Retirement 2020 R3	2/25/22
[1219] TRRBX	T. Rowe Price Retirement 2020	9/30/02
[1220] PARBX	T. Rowe Price Retirement 2020 Advisor	10/31/03
[1221] TRDBX	T. Rowe Price Retirement 2020 I	11/13/23
[1222] RRTBX	T. Rowe Price Retirement 2020 R	10/31/03
[1223] TSBAX	T. Rowe Price Retirement Blend 2020	7/26/21
[1224] TBLDX	T. Rowe Price Retirement Blend 2020 I	7/26/21
[1225]	T. Rowe Price Retirement I 2020 I	9/29/15
[1226] TRABX	T. Rowe Price Retirement Income 2020 I	1/17/24
[1227] TRLAX	T. Rowe Price Retirement Income 2020 Inv	5/25/17
[1228] TRRUX	T. Rowe Price Target 2020	8/20/13
[1229] PAIRX	T. Rowe Price Target 2020 Advisor	8/20/13
[1230] TTURX	T. Rowe Price Target 2020 I	2/26/16
[1231] HTW BX	The Hartford Target Retirement 2020 B	9/30/05
[1232] HTWCX	The Hartford Target Retirement 2020 C	9/30/05
[1233] TCHTX	Transamerica ClearTrack® 2020 R1	3/2/15
[1234] TCTJX	Transamerica ClearTrack® 2020 R3	3/1/19
[1235] TCSUX	Transamerica ClearTrack® 2020 R6	3/2/15
[1236]	USAA Target Retirement 2020	7/31/08
[1237]	Van Kampen 2020 Retirement Strategy A	10/23/08
[1238]	Van Kampen 2020 Retirement Strategy A LW	10/23/08
[1239]	Van Kampen 2020 Retirement Strategy C	10/23/08
[1240] VRCIX	Van Kampen 2020 Retirement Strategy I	10/23/08
[1241]	Van Kampen 2020 Retirement Strategy R	10/23/08
[1242]	Vanguard Instl Trgt Retire 2020 Instl	6/26/15
[1243] VTWNX	Vanguard Target Retirement 2020 Fund	6/7/06
[1244]	Vantagepoint Milestone 2020 Inv M	1/3/05
[1245]	Vantagepoint Milestone 2020 TM	3/1/13
[1246] VATDX.lw	Virtus DFA 2020 Trgt Date Retire In A LW	1/11/16
[1247]	Virtus DFA 2020 Trgt Date Retire Inc A	1/11/16
[1248]	Virtus DFA 2020 Trgt Date Retire Inc I	1/11/16
[1249]	Virtus DFA 2020 Trgt Date Retire Inc R6	1/11/16
[1250]	Virtus DFA 2020 Trgt Date Retire Inc T	4/13/17
[1251]	Voya Index Solution 2020 Port ADV	10/3/11
[1252]	Voya Index Solution 2020 Port I	10/3/11
[1253]	Voya Index Solution 2020 Port S	10/3/11
[1254]	Voya Index Solution 2020 Port S2	10/3/11
[1255]	Voya Index Solution 2020 Port T	10/3/11
[1256]	Voya Index Solution 2020 Port Z	5/1/15
[1257]	Voya Solution 2020 Port ADV	10/3/11
[1258]	Voya Solution 2020 Port I	10/3/11
[1259]	Voya Solution 2020 Port S	10/3/11
[1260]	Voya Solution 2020 Port S2	10/3/11
[1261]	Voya Solution 2020 Port T	10/3/11
[1262]	Voya Target Retirement 2020 A	12/21/15
[1263] VFTRX.lw	Voya Target Retirement 2020 A LW	12/21/15
[1264]	Voya Target Retirement 2020 I	12/20/12
[1265]	Voya Target Retirement 2020 R	6/1/18
[1266]	Voya Target Retirement 2020 R6	12/21/15
[1267]	Voya Target Retirement 2020 T	5/31/17
[1268] WFDTX	Wells Fargo Advtg DJ Trgt 2020 Inv	1/31/07
[1269]	Wells Fargo Dow Jones Target 2020 B	3/3/97
[1270] WDTDx.lw	Wells Fargo Dynamic Target 2020 A LW	11/30/15
[1271]	Wells Fargo Dynamic Target 2020 R	11/30/15
[1272] STTRX.lw	Wells Fargo Target 2020 A Load Waived	3/1/94

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[1273]	XTF 2020 ETF A	4/2/07
[1274]	XTF 2020 ETF A Load Waived	4/2/07
[1275]	XTF 2020 ETF C	4/2/07
[1276]	XTF 2020 ETF I	4/2/07
[1277]	XTF 2020 ETF R	4/2/07
[1278]	XTF ETF 2020 I	5/1/07
[1279]	XTF ETF 2020 II	5/1/07
[1280] TNJIX	1290 Retirement 2025 I	2/27/17
[1281]	AB 2025 Retirement Strategy A	9/1/05
[1282]	AB 2025 Retirement Strategy A LW	9/1/05
[1283]	AB 2025 Retirement Strategy Advisor	9/1/05
[1284]	AB 2025 Retirement Strategy B	9/1/05
[1285]	AB 2025 Retirement Strategy C	9/1/05
[1286]	AB 2025 Retirement Strategy I	9/1/05
[1287]	AB 2025 Retirement Strategy K	9/1/05
[1288]	AB 2025 Retirement Strategy R	9/1/05
[1289]	AB Multi-Manager Select 2025 A	12/15/14
[1290] TDAGX.lw	AB Multi-Manager Select 2025 A LW	12/15/14
[1291]	AB Multi-Manager Select 2025 Advisor	12/15/14
[1292]	AB Multi-Manager Select 2025 C	12/15/14
[1293]	AB Multi-Manager Select 2025 I	12/15/14
[1294]	AB Multi-Manager Select 2025 K	12/15/14
[1295]	AB Multi-Manager Select 2025 R	12/15/14
[1296]	AB Multi-Manager Select 2025 Z	12/15/14
[1297]	AllianzGI Retirement 2025 A	12/19/11
[1298] GVSAX.lw	AllianzGI Retirement 2025 A Load Waived	12/19/11
[1299]	AllianzGI Retirement 2025 Administrative	12/19/11
[1300]	AllianzGI Retirement 2025 P	12/19/11
[1301]	AllianzGI Retirement 2025 R	12/19/11
[1302]	AllianzGI Retirement 2025 R6	12/19/11
[1303]	Allspring Dynamic Target 2025 A	11/30/15
[1304]	Allspring Dynamic Target 2025 Admin	8/26/22
[1305]	Allspring Dynamic Target 2025 C	11/30/15
[1306]	Allspring Dynamic Target 2025 R4	11/30/15
[1307]	Allspring Dynamic Target 2025 R6	11/30/15
[1308]	Allspring Target 2025 A	11/30/12
[1309]	Allspring Target 2025 Admin	6/29/07
[1310]	Allspring Target 2025 R	6/28/13
[1311]	Allspring Target 2025 R4	11/30/12
[1312]	Allspring Target 2025 R6	6/29/07
[1313] AABQX	American Century One Chc Blnd+ 2025 A	3/10/21
[1314] AABKX	American Century One Chc Blnd+ 2025 I	3/10/21
[1315] AABJX	American Century One Chc Blnd+ 2025 Inv	3/10/21
[1316] AABRX	American Century One Chc Blnd+ 2025 R	3/10/21
[1317] AABVX	American Century One Chc Blnd+ 2025 R6	3/10/21
[1318] ARWAX	American Century One Choice 2025 A	8/31/04
[1319] ARWAX.lw	American Century One Choice 2025 A LW	8/31/04
[1320] ARWCX	American Century One Choice 2025 C	3/1/10
[1321] ARWFX	American Century One Choice 2025 I	8/31/04
[1322] ARWIX	American Century One Choice 2025 Inv	8/31/04
[1323] ARWRX	American Century One Choice 2025 R	8/31/04
[1324] ARWDX	American Century One Choice 2025 R6	7/31/13
[1325]	American Century One Choice 2025 R6 new	7/31/17
[1326] AADTX.lw	American Funds 2025 Trgt Date Retir A LW	2/1/07
[1327] AADTX	American Funds 2025 Trgt Date Retire A	2/1/07
[1328]	American Funds 2025 Trgt Date Retire B	2/21/14
[1329] CCDTX	American Funds 2025 Trgt Date Retire C	2/21/14
[1330] FAPTX	American Funds 2025 Trgt Date Retire F1	2/21/14



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[1331]	FBDTX	American Funds 2025 Trgt Date Retire F2	2/21/14
[1332]	FDDTX	American Funds 2025 Trgt Date Retire F3	1/27/17
[1333]	RADTX	American Funds 2025 Trgt Date Retire R1	2/1/07
[1334]	RBDTX	American Funds 2025 Trgt Date Retire R2	2/1/07
[1335]	RBEDX	American Funds 2025 Trgt Date Retire R2E	8/29/14
[1336]	RCDTX	American Funds 2025 Trgt Date Retire R3	2/1/07
[1337]	RDDTX	American Funds 2025 Trgt Date Retire R4	2/1/07
[1338]	REDTX	American Funds 2025 Trgt Date Retire R5	2/1/07
[1339]	RHDTX	American Funds 2025 Trgt Date Retire R5E	11/20/15
[1340]	RFDTX	American Funds 2025 Trgt Date Retire R6	7/13/09
[1341]	LEBIX	BlackRock LifePath ESG Index 2025 Instl	8/18/20
[1342]	LELAX	BlackRock LifePath ESG Index 2025 Inv A	8/18/20
[1343]	LEBKX	BlackRock LifePath ESG Index 2025 K	8/18/20
[1344]	LPBIX	BlackRock LifePath® Dyn 2025 Instl	6/30/10
[1345]	LPBAX.lw	BlackRock LifePath® Dyn 2025 Invest A LW	6/30/10
[1346]	LPBAX	BlackRock LifePath® Dyn 2025 Investor A	6/30/10
[1347]	LPBCX	BlackRock LifePath® Dyn 2025 Investor C	6/30/10
[1348]	LPBKX	BlackRock LifePath® Dyn 2025 K	6/30/10
[1349]	LPBRX	BlackRock LifePath® Dyn 2025 R	6/30/10
[1350]	LIBIX	BlackRock LifePath® Index 2025 Instl	5/31/11
[1351]	LILAX	BlackRock LifePath® Index 2025 Inv A	5/31/11
[1352]	LILPX	BlackRock LifePath® Index 2025 Inv P	8/6/18
[1353]	LIBKX	BlackRock LifePath® Index 2025 K	5/31/11
[1354]	BAPDX.lw	BlackRock LifePath® Smart Beta 2025 I LW	4/20/07
[1355]		BlackRock LifePath® Smart Beta 2025 Ins	11/27/12
[1356]		BlackRock LifePath® Smart Beta 2025 InvA	4/20/07
[1357]		BlackRock LifePath® Smart Beta 2025 K	4/20/07
[1358]		BlackRock LifePath® Smart Beta 2025 R	4/20/07
[1359]		BMO Target Retirement 2025 I	12/27/13
[1360]		BMO Target Retirement 2025 R3	12/27/13
[1361]		BMO Target Retirement 2025 R6	12/27/13
[1362]		BMO Target Retirement 2025 Y	12/27/13
[1363]		Columbia Adaptive Retirement 2025 Adv	4/4/18
[1364]		Columbia Adaptive Retirement 2025 Inst3	4/4/18
[1365]	BFEAX	Columbia Retirement 2025 A	5/31/06
[1366]	BFECX	Columbia Retirement 2025 C	5/31/06
[1367]	BFERX	Columbia Retirement 2025 R	5/31/06
[1368]	BFEZX	Columbia Retirement 2025 Z	5/31/06
[1369]	CARAX	Columbia Retirement Plus 2025 A	5/18/06
[1370]	CARAX.lw	Columbia Retirement Plus 2025 A LW	5/18/06
[1371]	CRLCX	Columbia Retirement Plus 2025 C	9/27/10
[1372]	CARRX	Columbia Retirement Plus 2025 R	12/11/06
[1373]	RSMEX	Columbia Retirement Plus 2025 Z	5/18/06
[1374]	DRIUX	Dimensional 2025 Target Dt Rtr Inc Instl	11/2/15
[1375]	MXQBX	Empower Lifetime 2025 Instl	5/1/15
[1376]	MXELX	Empower Lifetime 2025 Inv	5/1/09
[1377]	MXFLX	Empower Lifetime 2025 Svc	5/1/09
[1378]	FTWAX	Federated Target ETF 2025 A	4/6/06
[1379]	FTWAX.lw	Federated Target ETF 2025 A Load Waived	4/6/06
[1380]	FTWSX	Federated Target ETF 2025 Instl	4/6/06
[1381]	FTWKX	Federated Target ETF 2025 K	4/6/06
[1382]	FATWX	Fidelity Advisor Freedom 2025 A	11/6/03
[1383]	FCTWX	Fidelity Advisor Freedom 2025 C	11/6/03
[1384]	FITWX	Fidelity Advisor Freedom 2025 I	11/6/03
[1385]	FPGLX	Fidelity Advisor Freedom 2025 K6	6/6/17
[1386]	FTTWX	Fidelity Advisor Freedom 2025 M	11/6/03
[1387]	FIJMX	Fidelity Advisor Freedom 2025 Z	10/2/18
[1388]	FJAHX	Fidelity Advisor Freedom Blend 2025 A	8/31/18

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[1389] FJAEX	Fidelity Advisor Freedom Blend 2025 C	8/31/18
[1390] FJADX	Fidelity Advisor Freedom Blend 2025 I	8/31/18
[1391] FJAGX	Fidelity Advisor Freedom Blend 2025 M	8/31/18
[1392] FJABX	Fidelity Advisor Freedom Blend 2025 Z	8/31/18
[1393]	Fidelity Advisor Freedom Blend 2025 Z6	8/31/18
[1394] FATWX.lw	Fidelity Advisor Freedom® 2025 A LW	11/6/03
[1395]	Fidelity Advisor Freedom® 2025 B	11/6/03
[1396] FARFX.lw	Fidelity Advisor Managed Retiremt 2 A LW	12/31/07
[1397] FSWQX	Fidelity Advisor Sust Trgt Dt 2025 A	5/11/23
[1398] FSWRX	Fidelity Advisor Sust Trgt Dt 2025 C	5/11/23
[1399] FSWUX	Fidelity Advisor Sust Trgt Dt 2025 I	5/11/23
[1400] FWSWX	Fidelity Advisor Sust Trgt Dt 2025 M	5/11/23
[1401] FSWVX	Fidelity Advisor Sust Trgt Dt 2025 Z	5/11/23
[1402]	Fidelity Advisor Sust Trgt Dt 2025 Z6	5/11/23
[1403]	Fidelity Advisor® Managed Retrmt 2025 C	12/31/07
[1404]	Fidelity Advisor® Managed Retrmt 2025 M	12/31/07
[1405] FELSX	Fidelity Flex Freedom Blend 2025	6/8/17
[1406] FFTWX	Fidelity Freedom 2025	11/6/03
[1407] FSNPX	Fidelity Freedom 2025 K	7/20/17
[1408] FDTKX	Fidelity Freedom 2025 K6	6/7/17
[1409] FHAUX	Fidelity Freedom Blend 2025	8/31/18
[1410] FHBEX	Fidelity Freedom Blend 2025 K	8/31/18
[1411] FHLDX	Fidelity Freedom Blend 2025 K6	8/31/18
[1412] FFBNX	Fidelity Freedom Blnd 2025 Premier	4/6/21
[1413] FFEDX	Fidelity Freedom Index 2025 Instl Prem	6/24/15
[1414] FQIFX	Fidelity Freedom Index 2025 Investor	10/2/09
[1415] FLIPX	Fidelity Freedom Index 2025 Premier	6/24/20
[1416]	Fidelity Freedom K® 2025	7/2/09
[1417] FIXRX	Fidelity Managed Retirement 2025	12/31/07
[1418] FKRFX	Fidelity Managed Retirement 2025 K	8/1/19
[1419] FHRFX	Fidelity Managed Retirement 2025 K6	8/1/19
[1420] FARFX	Fidelity Managed Retrmt 2025 A	12/31/07
[1421] FIRFX	Fidelity Managed Retrmt 2025 I	12/31/07
[1422]	Fidelity Managed Retrmt 2025 Z6	8/1/19
[1423] FMRHX	Fidelity Simplicity RMD 2025	8/16/19
[1424] FSWOX	Fidelity Sustainable Target Date 2025	5/11/23
[1425] FSWYX	Fidelity Sustainable Target Date 2025 K	5/11/23
[1426] FSWZX	Fidelity Sustainable Target Date 2025 K6	5/11/23
[1427]	Fidelity® Multi-Manager 2025	12/20/12
[1428]	Fidelity® Multi-Manager 2025 L	12/4/13
[1429]	Fidelity® Multi-Manager 2025 N	12/4/13
[1430] FTRTX	Franklin LifeSmart 2025 Ret Trgt A	8/1/06
[1431] FTTCX	Franklin LifeSmart 2025 Ret Trgt C	8/1/06
[1432] FRELX	Franklin LifeSmart 2025 Ret Trgt R	8/1/06
[1433] FTLMX	Franklin LifeSmart 2025 Ret Trgt R6	5/1/13
[1434] FLRFX	Franklin LifeSmart 2025 Ret TrgtAdv	8/1/06
[1435] FTRTX.lw	Franklin LifeSmart™ 2025 Retire Trg A LW	8/1/06
[1436]	Goldman Sachs Target Date 2025 A	8/22/16
[1437] GTADX.lw	Goldman Sachs Target Date 2025 A LW	8/22/16
[1438]	Goldman Sachs Target Date 2025 Instl	8/22/16
[1439]	Goldman Sachs Target Date 2025 Inv	8/22/16
[1440]	Goldman Sachs Target Date 2025 R	8/22/16
[1441]	Goldman Sachs Target Date 2025 R6	8/22/16
[1442]	Goldman Sachs Target Date 2025 Svc	8/22/16
[1443] MXPAX	Great-West Lifetime 2025 II Instl	5/1/15
[1444] MXCDX	Great-West Lifetime 2025 II L	4/7/11
[1445] MXCLX	Great-West Lifetime 2025 II T	5/1/09
[1446] MXDLX	Great-West Lifetime 2025 II T1	5/1/09

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[1447]	Great-West Lifetime 2025 L	4/22/16
[1448]	Great-West Lifetime Cnsrv 2025 Instl	5/1/15
[1449]	Great-West Lifetime Cnsrv 2025 Inv	5/1/09
[1450]	Great-West Lifetime Cnsrv 2025 Svc	5/1/09
[1451]	Great-West SecureFoundation® LT 2025 Inv	11/13/09
[1452]	Great-West SecureFoundation® LT 2025 L	1/31/11
[1453]	Great-West SecureFoundation® LT 2025 Svc	11/13/09
[1454] GMWVX	GuideStone Funds MyDestination 2025 GS6	12/29/06
[1455] GMWWX	Guidestone Funds MyDestination 2025 GS8	12/29/06
[1456] GMWZX	GuideStone Funds MyDestination 2025 Inv	12/29/06
[1457] GMWYX	GuideStone Funds MyDestination 2025Instl	5/1/17
[1458]	Harbor Target Retirement 2025 Admin	1/2/09
[1459]	Harbor Target Retirement 2025 Instl	1/2/09
[1460]	Harbor Target Retirement 2025 Inv	1/2/09
[1461] HTKRX	Hartford Target Retirement 2025 R3	11/3/08
[1462] HTKSX	Hartford Target Retirement 2025 R4	11/3/08
[1463] HTKTX	Hartford Target Retirement 2025 R5	11/3/08
[1464] HTKYX	Hartford Target Retirement 2025 Y	2/28/13
[1465]	Invesco Peak Retirement 2025 A	12/29/17
[1466]	Invesco Peak Retirement 2025 C	12/29/17
[1467]	Invesco Peak Retirement 2025 R	12/29/17
[1468]	Invesco Peak Retirement 2025 R5	12/29/17
[1469]	Invesco Peak Retirement 2025 R6	12/29/17
[1470]	Invesco Peak Retirement 2025 Y	12/29/17
[1471] JHAUX	JHancock 2025 Lifetime Blend Pft A	6/21/21
[1472] JRTBX	JHancock 2025 Lifetime Blend Ptf 1	11/7/13
[1473] JRTDX	JHancock 2025 Lifetime Blend Ptf R4	11/7/13
[1474] JRTFX	JHancock 2025 Lifetime Blend Ptf R6	11/7/13
[1475]	JHancock 2025 Presv Blend Ptf 1	4/30/10
[1476]	JHancock 2025 Presv Blend Ptf R2	9/4/12
[1477]	JHancock 2025 Presv Blend Ptf R4	5/1/12
[1478]	JHancock 2025 Presv Blend Ptf R6	9/4/12
[1479]	JHancock 2025 Prsrvtn Blend Pft I	10/22/21
[1480]	JHancock Multi-Index 2025 Presv A	6/24/15
[1481]	JHancock Multi-Index 2025 Presv I	6/24/15
[1482]	JHancock Multi-Index 2025 Presv R1	9/4/12
[1483]	JHancock Multi-Index 2025 Presv R3	6/21/16
[1484]	JHancock Multi-Index 2025 Presv R5	6/21/16
[1485]	JHancock Multi-Index 2025 PresvA	7/7/21
[1486] JLEOX	JHancock Multimanager 2025 Lifetime 1	10/30/06
[1487] JLEAX	JHancock Multimanager 2025 Lifetime A	10/30/06
[1488] JLEAX.lw	JHancock Multimanager 2025 Lifetime A LW	10/30/06
[1489] JHRNX	JHancock Multimanager 2025 Lifetime I	3/27/15
[1490]	JHancock Multimanager 2025 Lifetime R1	10/30/06
[1491] JLEEX	JHancock Multimanager 2025 Lifetime R2	3/1/12
[1492]	JHancock Multimanager 2025 Lifetime R3	10/30/06
[1493] JLEGX	JHancock Multimanager 2025 Lifetime R4	10/30/06
[1494] JLEHX	JHancock Multimanager 2025 Lifetime R5	10/30/06
[1495] JLEIX	JHancock Multimanager 2025 Lifetime R6	9/1/11
[1496]	JHancock Retire Living thru II 2025 R2	11/7/13
[1497] JLEBX	JHancock2 Lifecycle 2025 B	10/30/06
[1498] JLECX	JHancock2 Lifecycle 2025 C	10/30/06
[1499] JLERX	JHancock2 Lifecycle 2025 R	10/30/06
[1500]	JHancock2 Lifecycle 2025 R2 (obs)	10/30/06
[1501] JNSAX	JPMorgan SmartRetirement® 2025 A	7/31/07
[1502] JNSAX.lw	JPMorgan SmartRetirement® 2025 A LW	7/31/07
[1503] JNSCX	JPMorgan SmartRetirement® 2025 C	7/31/07
[1504] JNSSX	JPMorgan SmartRetirement® 2025 I	7/31/07



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[1505]	JNSZX	JPMorgan SmartRetirement® 2025 R2	11/3/08
[1506]	JNSPX	JPMorgan SmartRetirement® 2025 R3	9/9/16
[1507]	JNSQX	JPMorgan SmartRetirement® 2025 R4	9/9/16
[1508]	JNSIX	JPMorgan SmartRetirement® 2025 R5	7/31/07
[1509]	JNSYX	JPMorgan SmartRetirement® 2025 R6	11/3/14
[1510]		JPMorgan SmartRetirement® Blend 2025 A	7/2/12
[1511]		JPMorgan SmartRetirement® Blend 2025 C	7/2/12
[1512]	JBSSX	JPMorgan SmartRetirement® Blend 2025 I	7/2/12
[1513]	JBR SX	JPMorgan SmartRetirement® Blend 2025 R2	7/2/12
[1514]	JBTUX	JPMorgan SmartRetirement® Blend 2025 R3	5/31/17
[1515]	JBTBX	JPMorgan SmartRetirement® Blend 2025 R4	5/31/17
[1516]	JBBSX	JPMorgan SmartRetirement® Blend 2025 R5	7/2/12
[1517]	JBYSX	JPMorgan SmartRetirement® Blend 2025 R6	7/2/12
[1518]		KP Retirement Path 2025 Institutional	1/10/14
[1519]	MTOCX	Manning & Napier Target 2025 C	6/25/12
[1520]		Manning & Napier Target 2025 I	6/25/12
[1521]		Manning & Napier Target 2025 K	6/25/12
[1522]		Manning & Napier Target 2025 R	6/25/12
[1523]		Manning & Napier Target 2025 R6	10/16/17
[1524]	MMSDX.lw	MassMutual RetireSMART 2025 A LW	4/1/10
[1525]	MMLIX	MassMutual RetireSMART 2025 L	4/1/10
[1526]	MMSDX	MassMutual RetireSMART by JPM 2025 A	4/1/10
[1527]	MMIYX	MassMutual RetireSMART by JPM 2025 Adm	4/1/10
[1528]	MMNUX	MassMutual RetireSMART by JPM 2025 I	4/1/14
[1529]	MMNRX	MassMutual RetireSMART by JPM 2025 R3	4/1/14
[1530]	MMNZX	MassMutual RetireSMART by JPM 2025 R4	4/1/14
[1531]	MMNTX	MassMutual RetireSMART by JPM 2025 R5	4/1/14
[1532]	MMISX	MassMutual RetireSMART by JPM 2025 Svc	4/1/10
[1533]	MMTFX	MassMutual Select TRP Retirement 2025 I	2/16/18
[1534]	MMTIX	MassMutual Select TRP Retirement 2025 M3	2/16/18
[1535]	MMTHX	MassMutual Select TRP Retirement 2025 M4	2/16/18
[1536]	MMTGX	MassMutual Select TRP Retirement 2025 M5	2/16/18
[1537]	LTTAX	MFS Lifetime 2025 A	11/2/12
[1538]	LTTAX.lw	MFS Lifetime 2025 A Load Waived	11/2/12
[1539]	LTTBX	MFS Lifetime 2025 B	11/2/12
[1540]	LTTCX	MFS Lifetime 2025 C	11/2/12
[1541]	LTTIX	MFS Lifetime 2025 I	11/2/12
[1542]	LTTRX	MFS Lifetime 2025 R1	11/2/12
[1543]	LTTSX	MFS Lifetime 2025 R2	11/2/12
[1544]	LTTTX	MFS Lifetime 2025 R3	11/2/12
[1545]	LTTUX	MFS Lifetime 2025 R4	11/2/12
[1546]	LTTKX	MFS Lifetime 2025 R6	8/29/16
[1547]	MURHX	MoA Clear Passage 2025 Fund	11/5/07
[1548]	NWHAX	Nationwide Destination 2025 A	8/29/07
[1549]	NWHAX.lw	Nationwide Destination 2025 A LW	8/29/07
[1550]		Nationwide Destination 2025 C	8/29/07
[1551]	NWHSX	Nationwide Destination 2025 Instl Svc	8/29/07
[1552]	NWHBX	Nationwide Destination 2025 R	8/29/07
[1553]		Nationwide Destination 2025 R1	8/29/07
[1554]	NWHIX	Nationwide Destination 2025 R6	8/29/07
[1555]	NSFEX	Natixis Target Retirement 2025 N	2/28/17
[1556]	TCQHX	Nuveen Lifecycle 2025 I	12/4/15
[1557]	TCQPX	Nuveen Lifecycle 2025 Premier	9/30/09
[1558]	TCYIX	Nuveen Lifecycle 2025 R6	1/17/07
[1559]	TCLFX	Nuveen Lifecycle 2025 Retirement	10/15/04
[1560]	TLQHX	Nuveen Lifecycle Index 2025 I	12/4/15
[1561]	TLVPX	Nuveen Lifecycle Index 2025 Premier	9/30/09
[1562]	TLQIX	Nuveen Lifecycle Index 2025 R6	9/30/09

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[1563]	TLQRX	Nuveen Lifecycle Index 2025 Retire	9/30/09
[1564]	OTDAX	Oppenheimer Transition 2025 A	3/4/08
[1565]	OTDAX.lw	Oppenheimer Transition 2025 A LW	3/4/08
[1566]	OTDBX	Oppenheimer Transition 2025 B	3/4/08
[1567]	OTDCX	Oppenheimer Transition 2025 C	3/4/08
[1568]	OTDNX	Oppenheimer Transition 2025 N	3/4/08
[1569]	OTDYX	Oppenheimer Transition 2025 Y	3/4/08
[1570]	PDEDX	PGIM Target Date 2025 R1	12/13/16
[1571]	PDEEX	PGIM Target Date 2025 R2	12/13/16
[1572]	PDEFX	PGIM Target Date 2025 R3	12/13/16
[1573]	PDEGX	PGIM Target Date 2025 R4	12/13/16
[1574]	PDEHX	PGIM Target Date 2025 R5	12/13/16
[1575]	PDEJX	PGIM Target Date 2025 R6	12/13/16
[1576]	PPZAX	PIMCO RealPath Blend 2025 A	12/31/14
[1577]	PPZAX.lw	PIMCO RealPath Blend 2025 A Load Waived	12/31/14
[1578]		PIMCO RealPath Blend 2025 Administrative	12/31/14
[1579]	PPZRX	PIMCO RealPath Blend 2025 Institutional	12/31/14
[1580]		PIMCO RealPath™ 2025 A	6/30/11
[1581]	PENZX.lw	PIMCO RealPath™ 2025 A Load Waived	6/30/11
[1582]		PIMCO RealPath™ 2025 Administrative	6/30/11
[1583]		PIMCO RealPath™ 2025 C	6/30/11
[1584]		PIMCO RealPath™ 2025 D	6/30/11
[1585]		PIMCO RealPath™ 2025 Institutional	6/30/11
[1586]		PIMCO RealPath™ 2025 P	10/31/11
[1587]		PIMCO RealPath™ 2025 R	6/30/11
[1588]	LTSTX	Principal LifeTime 2025 Institutional	2/29/08
[1589]	LTSNX	Principal LifeTime 2025 R1	2/29/08
[1590]		Principal LifeTime 2025 R2	2/29/08
[1591]	LTVPX	Principal LifeTime 2025 R3	2/29/08
[1592]	LTEEX	Principal LifeTime 2025 R4	2/29/08
[1593]	LTPDX	Principal LifeTime 2025 R5	2/29/08
[1594]	PHTQX	Principal LifeTime Hybrid 2025 Instl	9/30/14
[1595]	PHJQX	Principal LifeTime Hybrid 2025 J	3/1/18
[1596]		Principal LifeTime Hybrid 2025 R-3	3/1/19
[1597]		Principal LifeTime Hybrid 2025 R-5	3/1/19
[1598]	PLFTX	Principal LifeTime Hybrid 2025 R6	8/24/15
[1599]	PBDLX	Putnam Retirement Advantage 2025 A	9/1/20
[1600]	PRTJX	Putnam Retirement Advantage 2025 C	9/1/20
[1601]	PRTWX	Putnam Retirement Advantage 2025 R	9/1/20
[1602]	PAFLX	Putnam Retirement Advantage 2025 R3	9/1/20
[1603]	PAFKX	Putnam Retirement Advantage 2025 R4	9/1/20
[1604]	PAFNX	Putnam Retirement Advantage 2025 R5	9/1/20
[1605]	PBATX	Putnam Retirement Advantage 2025 R6	12/31/19
[1606]	PLZYX	Putnam Retirement Advantage 2025 Y	9/1/20
[1607]	PRROX.lw	Putnam RetirementReady 2025 A LW	11/1/04
[1608]		Putnam RetirementReady 2025 M	11/1/04
[1609]	PRROX	Putnam Sustainable Retirement 2025 A	11/1/04
[1610]		Putnam Sustainable Retirement 2025 B	11/1/04
[1611]		Putnam Sustainable Retirement 2025 C	11/1/04
[1612]		Putnam Sustainable Retirement 2025 R	11/1/04
[1613]	PADHX	Putnam Sustainable Retirement 2025 R3	1/4/21
[1614]	PADJX	Putnam Sustainable Retirement 2025 R4	1/4/21
[1615]	PADKX	Putnam Sustainable Retirement 2025 R5	1/4/21
[1616]	PRMFX	Putnam Sustainable Retirement 2025 R6	9/1/16
[1617]	PRRPX	Putnam Sustainable Retirement 2025 Y	11/1/04
[1618]	LMXAX.lw	QS Legg Mason Target Retirement 202 A LW	8/29/08
[1619]	LMXAX	QS Legg Mason Target Retirement 2025 A	8/29/08
[1620]	LMXCX	QS Legg Mason Target Retirement 2025 C	8/29/08

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[1621]	LMXFX	QS Legg Mason Target Retirement 2025 FI	8/29/08
[1622]	LMXIX	QS Legg Mason Target Retirement 2025 I	8/29/08
[1623]	LMXSX	QS Legg Mason Target Retirement 2025 IS	8/29/08
[1624]	LMXRX	QS Legg Mason Target Retirement 2025 R	8/29/08
[1625]	LVTAX	RidgeWorth Life Vision 2025 A	7/12/06
[1626]	LVTAX.lw	RidgeWorth Life Vision 2025 A LW	7/12/06
[1627]	LVTCX	RidgeWorth Life Vision 2025 C	10/21/05
[1628]	LVTIX	RidgeWorth Life Vision 2025 I	10/21/05
[1629]	RSMPX	RiverSource Retirement Plus 2025 R3	12/11/06
[1630]	RSPLX	RiverSource Retirement Plus 2025 R4	12/11/06
[1631]	RSURX	RiverSource Retirement Plus 2025 R5	12/11/06
[1632]		Russell Inv LifePoints 2025 Strategy R1	3/31/08
[1633]		Russell Inv LifePoints 2025 Strategy R4	3/31/08
[1634]		Russell Inv LifePoints 2025 Strategy R5	3/31/08
[1635]		Russell LifePoints 2025 Strategy R4 {mg}	10/1/14
[1636]		Russell LifePoints 2025 Strategy R5 {mg}	10/1/14
[1637]	SWHRX	Schwab Target 2025	3/12/08
[1638]	SWYDX	Schwab Target 2025 Index	8/25/16
[1639]		Schwab Target 2025 Index Investor	8/25/16
[1640]	STKAX	Seligman TargETFund 2025 A	10/3/05
[1641]	STKAX.lw	Seligman TargETFund 2025 A Load Waived	10/3/05
[1642]	STKCX	Seligman TargETFund 2025 C	10/3/05
[1643]		Seligman TargETFund 2025 D	10/3/05
[1644]	STKRX	Seligman TargETFund 2025 R	10/3/05
[1645]	STKIX	Seligman TargETFund 2025 R5	10/3/05
[1646]		State Street Target Retirement 2025 A	9/30/14
[1647]	SSBPX.lw	State Street Target Retirement 2025 A LW	9/30/14
[1648]		State Street Target Retirement 2025 C	12/31/15
[1649]	SSBRX	State Street Target Retirement 2025 I	9/30/14
[1650]	SSBSX	State Street Target Retirement 2025 K	9/30/14
[1651]	SSAHX	State Street Target Retirement 2025 R3	2/25/22
[1652]	TRRHX	T. Rowe Price Retirement 2025	2/27/04
[1653]	PARJX	T. Rowe Price Retirement 2025 Advisor	5/31/07
[1654]	TREHX	T. Rowe Price Retirement 2025 I	11/13/23
[1655]	RRTNX	T. Rowe Price Retirement 2025 R	5/31/07
[1656]	TBLVX	T. Rowe Price Retirement Blend 2025	7/26/21
[1657]	TBLEX	T. Rowe Price Retirement Blend 2025 I	7/26/21
[1658]		T. Rowe Price Retirement I 2025 I	9/29/15
[1659]	TRATX	T. Rowe Price Retirement Income 2025 I	1/17/24
[1660]	TRAVX	T. Rowe Price Retirement Income 2025 Inv	1/17/24
[1661]	TRRVX	T. Rowe Price Target 2025	8/20/13
[1662]	PAJRX	T. Rowe Price Target 2025 Advisor	8/20/13
[1663]	TRVVX	T. Rowe Price Target 2025 I	2/26/16
[1664]	TDITX	Transamerica ClearTrack® 2025 R1	3/2/15
[1665]	TCTKX	Transamerica ClearTrack® 2025 R3	3/1/19
[1666]	TDOTX	Transamerica ClearTrack® 2025 R6	3/2/15
[1667]	VRDAX	Van Kampen 2025 Retirement Strategy A	10/23/08
[1668]	VRDAX.lw	Van Kampen 2025 Retirement Strategy A LW	10/23/08
[1669]	VRDCX	Van Kampen 2025 Retirement Strategy C	10/23/08
[1670]	VRDIX	Van Kampen 2025 Retirement Strategy I	10/23/08
[1671]	VRDRX	Van Kampen 2025 Retirement Strategy R	10/23/08
[1672]		Vanguard Instl Trgt Retire 2025 Instl	6/26/15
[1673]	VTTVX	Vanguard Target Retirement 2025 Fund	10/27/03
[1674]		Vantagepoint Milestone 2025 Inv M	1/3/05
[1675]		Vantagepoint Milestone 2025 TM	3/1/13
[1676]	VDAAX.lw	Virtus DFA 2025 Trgt Date Retire In A LW	1/11/16
[1677]		Virtus DFA 2025 Trgt Date Retire Inc A	1/11/16
[1678]		Virtus DFA 2025 Trgt Date Retire Inc I	1/11/16

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[1679]	Virtus DFA 2025 Trgt Date Retire Inc R6	1/11/16
[1680]	Virtus DFA 2025 Trgt Date Retire Inc T	4/13/17
[1681] ISDAX	Voya Index Solution 2025 Port ADV	3/10/08
[1682] ISDIX	Voya Index Solution 2025 Port I	3/10/08
[1683] ISDSX	Voya Index Solution 2025 Port S	3/10/08
[1684] IXXVX	Voya Index Solution 2025 Port S2	5/28/09
[1685]	Voya Index Solution 2025 Port T	3/10/08
[1686] VSZBX	Voya Index Solution 2025 Port Z	5/1/15
[1687] ISZAX	Voya Solution 2025 Port ADV	4/29/05
[1688] ISZIX	Voya Solution 2025 Port I	4/29/05
[1689] ISZSX	Voya Solution 2025 Port S	4/29/05
[1690] ISPBX	Voya Solution 2025 Port S2	5/28/09
[1691]	Voya Solution 2025 Port T	8/31/05
[1692] VTRCX	Voya Target Retirement 2025 A	12/21/15
[1693] VTRCX.lw	Voya Target Retirement 2025 A LW	12/21/15
[1694] IRS LX	Voya Target Retirement 2025 I	12/20/12
[1695] VRRHX	Voya Target Retirement 2025 R	6/1/18
[1696] VTRDX	Voya Target Retirement 2025 R6	12/21/15
[1697] WFGYX	Wells Fargo Advtg DJ Trgt 2025 Inv	6/29/07
[1698] WDTIX.lw	Wells Fargo Dynamic Target 2025 A LW	11/30/15
[1699]	Wells Fargo Dynamic Target 2025 R	11/30/15
[1700] WFAYX.lw	Wells Fargo Target 2025 A Load Waived	11/30/12
[1701]	XTF ETF 2025 I	5/1/07
[1702]	XTF ETF 2025 II	5/1/07
[1703] TNKIX	1290 Retirement 2030 I	2/27/17
[1704]	AB 2030 Retirement Strategy A	9/1/05
[1705]	AB 2030 Retirement Strategy A LW	9/1/05
[1706]	AB 2030 Retirement Strategy Advisor	9/1/05
[1707]	AB 2030 Retirement Strategy B	9/1/05
[1708]	AB 2030 Retirement Strategy C	9/1/05
[1709]	AB 2030 Retirement Strategy I	9/1/05
[1710]	AB 2030 Retirement Strategy K	9/1/05
[1711]	AB 2030 Retirement Strategy R	9/1/05
[1712]	AB Multi-Manager Select 2030 A	12/15/14
[1713] TDHAX.lw	AB Multi-Manager Select 2030 A LW	12/15/14
[1714]	AB Multi-Manager Select 2030 Advisor	12/15/14
[1715]	AB Multi-Manager Select 2030 C	12/15/14
[1716]	AB Multi-Manager Select 2030 I	12/15/14
[1717]	AB Multi-Manager Select 2030 K	12/15/14
[1718]	AB Multi-Manager Select 2030 R	12/15/14
[1719]	AB Multi-Manager Select 2030 Z	12/15/14
[1720]	AllianzGI Retirement 2030 A	12/29/08
[1721] ABLAX.lw	AllianzGI Retirement 2030 A Load Waived	12/29/08
[1722]	AllianzGI Retirement 2030 Administrative	12/29/08
[1723]	AllianzGI Retirement 2030 C	12/29/08
[1724]	AllianzGI Retirement 2030 D	12/29/08
[1725]	AllianzGI Retirement 2030 P	12/29/08
[1726]	AllianzGI Retirement 2030 R	12/29/08
[1727]	AllianzGI Retirement 2030 R6	12/29/08
[1728]	Allspring Dynamic Target 2030 A	11/30/15
[1729]	Allspring Dynamic Target 2030 Admin	8/26/22
[1730]	Allspring Dynamic Target 2030 C	11/30/15
[1731]	Allspring Dynamic Target 2030 R4	11/30/15
[1732]	Allspring Dynamic Target 2030 R6	11/30/15
[1733]	Allspring Target 2030 A	3/1/94
[1734]	Allspring Target 2030 Admin	3/1/94
[1735]	Allspring Target 2030 C	12/1/98
[1736]	Allspring Target 2030 R	6/28/13

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[1737]	Allspring Target 2030 R4	11/30/12
[1738]	Allspring Target 2030 R6	6/30/04
[1739]	Allstate ClearTarget 2030 Retirement A LW	4/14/08
[1740]	Allstate ClearTarget 2030 Retirement A	4/14/08
[1741]	Allstate ClearTarget 2030 Retirement C	4/14/08
[1742]	Allstate ClearTarget 2030 Retirement I	4/14/08
[1743] AABZX	American Century One Chc Blnd+ 2030 A	3/10/21
[1744] AAEWX	American Century One Chc Blnd+ 2030 I	3/10/21
[1745] AABWX	American Century One Chc Blnd+ 2030 Inv	3/10/21
[1746] AACHX	American Century One Chc Blnd+ 2030 R	3/10/21
[1747] AACJX	American Century One Chc Blnd+ 2030 R6	3/10/21
[1748] ARCMX	American Century One Choice 2030 A	5/30/08
[1749] ARCMX.lw	American Century One Choice 2030 A LW	5/30/08
[1750] ARWOX	American Century One Choice 2030 C	3/1/10
[1751] ARCSX	American Century One Choice 2030 I	5/30/08
[1752] ARCVX	American Century One Choice 2030 Inv	5/30/08
[1753] ARCRX	American Century One Choice 2030 R	5/30/08
[1754] ARCUX	American Century One Choice 2030 R6	7/31/13
[1755]	American Century One Choice 2030 R6 new	7/31/17
[1756] AAETX.lw	American Funds 2030 Trgt Date Retir A LW	2/1/07
[1757] AAETX	American Funds 2030 Trgt Date Retire A	2/1/07
[1758]	American Funds 2030 Trgt Date Retire B	2/21/14
[1759] CCETX	American Funds 2030 Trgt Date Retire C	2/21/14
[1760] FAETX	American Funds 2030 Trgt Date Retire F1	2/21/14
[1761] FBETX	American Funds 2030 Trgt Date Retire F2	2/21/14
[1762] FCETX	American Funds 2030 Trgt Date Retire F3	1/27/17
[1763] RAETX	American Funds 2030 Trgt Date Retire R1	2/1/07
[1764] RBETX	American Funds 2030 Trgt Date Retire R2	2/1/07
[1765] RBEEEX	American Funds 2030 Trgt Date Retire R2E	8/29/14
[1766] RCETX	American Funds 2030 Trgt Date Retire R3	2/1/07
[1767] RDETXX	American Funds 2030 Trgt Date Retire R4	2/1/07
[1768] REETX	American Funds 2030 Trgt Date Retire R5	2/1/07
[1769] RHETX	American Funds 2030 Trgt Date Retire R5E	11/20/15
[1770] RFETX	American Funds 2030 Trgt Date Retire R6	7/13/09
[1771] NEHPX	American Indep NestEgg 2030 A	11/1/02
[1772] NEHPX.lw	American Indep NestEgg 2030 A LW	11/1/02
[1773] NEDVX	American Indep NestEgg 2030 C	3/15/06
[1774] NETHX	American Indep NestEgg 2030 I	1/4/99
[1775] LENIX	BlackRock LifePath ESG Index 2030 Instl	8/18/20
[1776] LENAX	BlackRock LifePath ESG Index 2030 Inv A	8/18/20
[1777] LENKX	BlackRock LifePath ESG Index 2030 K	8/18/20
[1778] STLDX	BlackRock LifePath® Dyn 2030 Instl	3/1/94
[1779] LPRDX.lw	BlackRock LifePath® Dyn 2030 Invest A LW	4/30/01
[1780] LPRDX	BlackRock LifePath® Dyn 2030 Investor A	4/30/01
[1781] LPCNX	BlackRock LifePath® Dyn 2030 Investor C	5/3/10
[1782] LPSDX	BlackRock LifePath® Dyn 2030 K	5/30/08
[1783] LPRNX	BlackRock LifePath® Dyn 2030 R	5/3/10
[1784] LINIX	BlackRock LifePath® Index 2030 Instl	5/31/11
[1785] LINAX	BlackRock LifePath® Index 2030 Inv A	5/31/11
[1786] LIDPX	BlackRock LifePath® Index 2030 Inv P	8/6/18
[1787] LINKX	BlackRock LifePath® Index 2030 K	5/31/11
[1788] BAPEX.lw	BlackRock LifePath® Smart Beta 2030 I LW	4/20/07
[1789]	BlackRock LifePath® Smart Beta 2030 Ins	11/27/12
[1790]	BlackRock LifePath® Smart Beta 2030 InvA	4/20/07
[1791]	BlackRock LifePath® Smart Beta 2030 K	4/20/07
[1792]	BlackRock LifePath® Smart Beta 2030 R	4/20/07
[1793] BRICX	BlackRock Retirement Income 2030 Instl	7/31/20
[1794] BRIAX	BlackRock Retirement Income 2030 Invr A	7/31/20



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[1795]	BMO Target Retirement 2030 I	8/30/13
[1796]	BMO Target Retirement 2030 R3	8/30/13
[1797]	BMO Target Retirement 2030 R6	8/30/13
[1798]	BMO Target Retirement 2030 Y	8/30/13
[1799]	Citi Market Pilot 2030 A	10/28/14
[1800] CFTYX	Citi Market Pilot 2030 I	2/28/14
[1801]	Columbia Adaptive Retirement 2030 Adv	10/24/17
[1802]	Columbia Adaptive Retirement 2030 Inst3	10/24/17
[1803]	Columbia Retirement 2030 A	5/31/06
[1804] BFFCX	Columbia Retirement 2030 C	5/31/06
[1805] BFFRX	Columbia Retirement 2030 R	5/31/06
[1806] BFFZX	Columbia Retirement 2030 Z	5/31/06
[1807] CTPAX	Columbia Retirement Plus 2030 A	5/18/06
[1808] CTPAX.lw	Columbia Retirement Plus 2030 A LW	5/18/06
[1809] CRRCX	Columbia Retirement Plus 2030 C	9/27/10
[1810] CTPRX	Columbia Retirement Plus 2030 R	12/11/06
[1811] RPTYX	Columbia Retirement Plus 2030 Z	5/18/06
[1812] DRIWX	Dimensional 2030 Target Dt Rtr Inc Instl	11/2/15
[1813] MXAYX	Empower Lifetime 2030 Instl	4/28/16
[1814] MXATX	Empower Lifetime 2030 Inv	4/29/16
[1815] MXAUX	Empower Lifetime 2030 Svc	4/28/16
[1816] FAFEX	Fidelity Advisor Freedom 2030 A	7/24/03
[1817] FCFEX	Fidelity Advisor Freedom 2030 C	7/24/03
[1818] FEFIX	Fidelity Advisor Freedom 2030 I	7/24/03
[1819] FDGLX	Fidelity Advisor Freedom 2030 K6	6/6/17
[1820] FTFEX	Fidelity Advisor Freedom 2030 M	7/24/03
[1821] FIJNX	Fidelity Advisor Freedom 2030 Z	10/2/18
[1822] FJAMX	Fidelity Advisor Freedom Blend 2030 A	8/31/18
[1823] FJTMX	Fidelity Advisor Freedom Blend 2030 C	8/31/18
[1824] FJEFX	Fidelity Advisor Freedom Blend 2030 I	8/31/18
[1825] FTYJX	Fidelity Advisor Freedom Blend 2030 M	8/31/18
[1826] FJLMX	Fidelity Advisor Freedom Blend 2030 Z	8/31/18
[1827]	Fidelity Advisor Freedom Blend 2030 Z6	8/31/18
[1828] FAFEX.lw	Fidelity Advisor Freedom® 2030 A LW	7/24/03
[1829]	Fidelity Advisor Freedom® 2030 B	7/24/03
[1830] FSXBX	Fidelity Advisor Sust Trgt Dt 2030 A	5/11/23
[1831] FSXCX	Fidelity Advisor Sust Trgt Dt 2030 C	5/11/23
[1832] FSXEX	Fidelity Advisor Sust Trgt Dt 2030 I	5/11/23
[1833] FSXDX	Fidelity Advisor Sust Trgt Dt 2030 M	5/11/23
[1834] FSXFX	Fidelity Advisor Sust Trgt Dt 2030 Z	5/11/23
[1835]	Fidelity Advisor Sust Trgt Dt 2030 Z6	5/11/23
[1836] FVLSX	Fidelity Flex Freedom Blend 2030	6/8/17
[1837] FFFEX	Fidelity Freedom 2030	10/17/96
[1838] FSNQX	Fidelity Freedom 2030 K	7/20/17
[1839] FGTKX	Fidelity Freedom 2030 K6	6/7/17
[1840] FHATX	Fidelity Freedom Blend 2030	8/31/18
[1841] FHAEX	Fidelity Freedom Blend 2030 K	8/31/18
[1842] FHKDX	Fidelity Freedom Blend 2030 K6	8/31/18
[1843] FFBPX	Fidelity Freedom Blnd 2030 Premier	4/6/21
[1844] FFE GX	Fidelity Freedom Index 2030 Instl Prem	6/24/15
[1845] FXIFX	Fidelity Freedom Index 2030 Investor	10/2/09
[1846] FMKPX	Fidelity Freedom Index 2030 Premier	6/24/20
[1847]	Fidelity Freedom K® 2030	7/2/09
[1848] FMRAX	Fidelity Managed Retirement 2030	8/16/19
[1849] FMREX	Fidelity Managed Retirement 2030 K	8/16/19
[1850] FMRFX	Fidelity Managed Retirement 2030 K6	8/16/19
[1851] FMRBX	Fidelity Managed Retrmt 2030 A	8/16/19
[1852] FMRDX	Fidelity Managed Retrmt 2030 I	8/16/19

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[1853]	Fidelity Managed Retrmt 2030 Z6	8/16/19
[1854] FSRMX	Fidelity Simplicity RMD 2030	12/15/22
[1855] FSXAX	Fidelity Sustainable Target Date 2030	5/11/23
[1856] FSXHX	Fidelity Sustainable Target Date 2030 K	5/11/23
[1857] FSXJX	Fidelity Sustainable Target Date 2030 K6	5/11/23
[1858]	Fidelity® Multi-Manager 2030	12/20/12
[1859]	Fidelity® Multi-Manager 2030 L	12/4/13
[1860]	Fidelity® Multi-Manager 2030 N	12/4/13
[1861] FLRSX	Franklin LifeSmart 2030 Ret Trgt A	7/1/13
[1862] FLRTX	Franklin LifeSmart 2030 Ret Trgt C	7/1/13
[1863] FLRWX	Franklin LifeSmart 2030 Ret Trgt R	7/1/13
[1864] FLERX	Franklin LifeSmart 2030 Ret Trgt R6	7/1/13
[1865] FLRZX	Franklin LifeSmart 2030 Ret TrgtAdv	7/1/13
[1866] FLRSX.lw	Franklin LifeSmart™ 2030 Retire Trg A LW	7/1/13
[1867] GRLAX	Goldman Sachs Retirement Str 2030 A	9/5/07
[1868] GRLAX.lw	Goldman Sachs Retirement Str 2030 A LW	9/5/07
[1869] GRLIX	Goldman Sachs Retirement Str 2030 Instl	9/5/07
[1870] GRLTX	Goldman Sachs Retirement Str 2030 IR	11/30/07
[1871] GRLRX	Goldman Sachs Retirement Str 2030 R	11/30/07
[1872] GRLSX	Goldman Sachs Retirement Str 2030 Svc	9/5/07
[1873]	Goldman Sachs Target Date 2030 A	8/22/16
[1874] GTAJX.lw	Goldman Sachs Target Date 2030 A LW	8/22/16
[1875]	Goldman Sachs Target Date 2030 Instl	8/22/16
[1876]	Goldman Sachs Target Date 2030 Inv	8/22/16
[1877]	Goldman Sachs Target Date 2030 R	8/22/16
[1878]	Goldman Sachs Target Date 2030 R6	10/1/07
[1879]	Goldman Sachs Target Date 2030 R6{mg}	8/19/16
[1880]	Goldman Sachs Target Date 2030 Svc	8/22/16
[1881]	Great-West Lifetime 2030 L	4/28/16
[1882]	Great-West Lifetime Cnsrv 2030 Instl	4/28/16
[1883]	Great-West Lifetime Cnsrv 2030 Inv	4/29/16
[1884]	Great-West Lifetime Cnsrv 2030 Svc	4/28/16
[1885]	Great-West SecureFoundation® LT 2030 Inv	1/31/11
[1886]	Great-West SecureFoundation® LT 2030 L	1/31/11
[1887]	Great-West SecureFoundation® LT 2030 Svc	1/31/11
[1888]	Harbor Target Retirement 2030 Admin	1/2/09
[1889]	Harbor Target Retirement 2030 Instl	1/2/09
[1890]	Harbor Target Retirement 2030 Inv	1/2/09
[1891] HTHAX	Hartford Target Retirement 2030 A	9/30/05
[1892] HTHAX.lw	Hartford Target Retirement 2030 A LW	9/30/05
[1893] HTHRX	Hartford Target Retirement 2030 R3	12/21/06
[1894] HTHSX	Hartford Target Retirement 2030 R4	12/21/06
[1895] HTHTX	Hartford Target Retirement 2030 R5	12/21/06
[1896] HTHYX	Hartford Target Retirement 2030 Y	9/30/05
[1897]	Invesco Balanced-Risk Retire 2030 A	1/31/07
[1898] TNAAX.lw	Invesco Balanced-Risk Retire 2030 A LW	1/31/07
[1899]	Invesco Balanced-Risk Retire 2030 AX	6/1/10
[1900]	Invesco Balanced-Risk Retire 2030 B	1/31/07
[1901]	Invesco Balanced-Risk Retire 2030 C	1/31/07
[1902]	Invesco Balanced-Risk Retire 2030 CX	6/1/10
[1903]	Invesco Balanced-Risk Retire 2030 R	1/31/07
[1904]	Invesco Balanced-Risk Retire 2030 R5	1/31/07
[1905]	Invesco Balanced-Risk Retire 2030 R6	9/24/12
[1906]	Invesco Balanced-Risk Retire 2030 RX	6/1/10
[1907]	Invesco Balanced-Risk Retire 2030 Y	10/3/08
[1908]	Invesco Peak Retirement 2030 A	12/29/17
[1909]	Invesco Peak Retirement 2030 C	12/29/17
[1910]	Invesco Peak Retirement 2030 R	12/29/17

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[1911]	Invesco Peak Retirement 2030 R5	12/29/17
[1912]	Invesco Peak Retirement 2030 R6	12/29/17
[1913]	Invesco Peak Retirement 2030 Y	12/29/17
[1914] JHAVX	JHancock 2030 Lifetime Blend Pft A	6/21/21
[1915] JRTGX	JHancock 2030 Lifetime Blend Ptf 1	11/7/13
[1916] JRTIX	JHancock 2030 Lifetime Blend Ptf R4	11/7/13
[1917] JRTJX	JHancock 2030 Lifetime Blend Ptf R6	11/7/13
[1918]	JHancock 2030 Presv Blend Ptf 1	4/30/10
[1919]	JHancock 2030 Presv Blend Ptf R2	9/4/12
[1920]	JHancock 2030 Presv Blend Ptf R4	5/1/12
[1921]	JHancock 2030 Presv Blend Ptf R6	9/4/12
[1922]	JHancock 2030 Prsrvtn Blend Pft I	10/22/21
[1923]	JHancock Multi-Index 2030 Presv A	6/24/15
[1924]	JHancock Multi-Index 2030 Presv I	6/24/15
[1925]	JHancock Multi-Index 2030 Presv R1	9/4/12
[1926]	JHancock Multi-Index 2030 Presv R3	6/21/16
[1927]	JHancock Multi-Index 2030 Presv R5	6/21/16
[1928]	JHancock Multi-Index 2030 PresvA	7/7/21
[1929] JLFOX	JHancock Multimanager 2030 Lifetime 1	10/30/06
[1930] JLFAQ	JHancock Multimanager 2030 Lifetime A	10/30/06
[1931] JLFAQ.lw	JHancock Multimanager 2030 Lifetime A LW	10/30/06
[1932] JHRGX	JHancock Multimanager 2030 Lifetime I	3/27/15
[1933]	JHancock Multimanager 2030 Lifetime R1	10/30/06
[1934] JLFEX	JHancock Multimanager 2030 Lifetime R2	3/1/12
[1935]	JHancock Multimanager 2030 Lifetime R3	10/30/06
[1936] JLFGX	JHancock Multimanager 2030 Lifetime R4	10/30/06
[1937] JLFHX	JHancock Multimanager 2030 Lifetime R5	10/30/06
[1938] JLFIX	JHancock Multimanager 2030 Lifetime R6	9/1/11
[1939]	JHancock Retire Living thru II 2030 R2	11/7/13
[1940] JLFBX	JHancock2 Lifecycle 2030 B	10/30/06
[1941] JLFCX	JHancock2 Lifecycle 2030 C	10/30/06
[1942] JLFRX	JHancock2 Lifecycle 2030 R	10/30/06
[1943]	JHancock2 Lifecycle 2030 R2 (obs)	10/30/06
[1944] JSMAX	JPMorgan SmartRetirement® 2030 A	5/15/06
[1945] JSMAX.lw	JPMorgan SmartRetirement® 2030 A LW	5/15/06
[1946] JSMCX	JPMorgan SmartRetirement® 2030 C	5/15/06
[1947] JSMX	JPMorgan SmartRetirement® 2030 I	5/15/06
[1948] JSMZX	JPMorgan SmartRetirement® 2030 R2	11/3/08
[1949] JSMNX	JPMorgan SmartRetirement® 2030 R3	9/9/16
[1950] JSMQX	JPMorgan SmartRetirement® 2030 R4	9/9/16
[1951] JSMIX	JPMorgan SmartRetirement® 2030 R5	5/15/06
[1952] JSMYX	JPMorgan SmartRetirement® 2030 R6	11/3/14
[1953]	JPMorgan SmartRetirement® Blend 2030 A	7/2/12
[1954]	JPMorgan SmartRetirement® Blend 2030 C	7/2/12
[1955] JRBEX	JPMorgan SmartRetirement® Blend 2030 I	7/2/12
[1956] JRBXX	JPMorgan SmartRetirement® Blend 2030 R2	7/2/12
[1957] JUTPX	JPMorgan SmartRetirement® Blend 2030 R3	5/31/17
[1958] JUTUX	JPMorgan SmartRetirement® Blend 2030 R4	5/31/17
[1959] JRBXX	JPMorgan SmartRetirement® Blend 2030 R5	7/2/12
[1960] JRBXX	JPMorgan SmartRetirement® Blend 2030 R6	7/2/12
[1961]	KP Retirement Path 2030 Institutional	1/10/14
[1962]	MainStay Retirement 2030 A	6/29/07
[1963] MRTTX.lw	MainStay Retirement 2030 A Load Waived	6/29/07
[1964]	MainStay Retirement 2030 I	6/29/07
[1965]	MainStay Retirement 2030 Inv	2/28/08
[1966]	MainStay Retirement 2030 R1	8/21/14
[1967]	MainStay Retirement 2030 R2	1/8/09
[1968]	MainStay Retirement 2030 R3	5/1/08



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[1969]	MTPCX	Manning & Napier Target 2030 C	3/28/08
[1970]		Manning & Napier Target 2030 I	3/28/08
[1971]		Manning & Napier Target 2030 K	3/28/08
[1972]		Manning & Napier Target 2030 R	3/28/08
[1973]		Manning & Napier Target 2030 R6	10/16/17
[1974]	MRYAX.lw	MassMutual RetireSMART 2030 A LW	12/31/03
[1975]	MYRLX	MassMutual RetireSMART 2030 L	12/31/03
[1976]	MRYAX	MassMutual RetireSMART by JPM 2030 A	12/31/03
[1977]	MRYYX	MassMutual RetireSMART by JPM 2030 Adm	12/31/03
[1978]	MRYUX	MassMutual RetireSMART by JPM 2030 I	4/1/14
[1979]	MRYNX	MassMutual RetireSMART by JPM 2030 R3	12/31/03
[1980]	MRYZX	MassMutual RetireSMART by JPM 2030 R4	4/1/14
[1981]	MRYTX	MassMutual RetireSMART by JPM 2030 R5	4/1/14
[1982]	MRYSX	MassMutual RetireSMART by JPM 2030 Svc	12/31/03
[1983]	MMTRX	MassMutual Select TRP Retirement 2030 I	2/16/18
[1984]	MMTQX	MassMutual Select TRP Retirement 2030 M3	2/16/18
[1985]	MMTPX	MassMutual Select TRP Retirement 2030 M4	2/16/18
[1986]	MMTOX	MassMutual Select TRP Retirement 2030 M5	2/16/18
[1987]	MLTAX	MFS Lifetime 2030 A	9/29/05
[1988]	MLTAX.lw	MFS Lifetime 2030 A Load Waived	9/29/05
[1989]	MLTBX	MFS Lifetime 2030 B	9/29/05
[1990]	MLTCX	MFS Lifetime 2030 C	9/29/05
[1991]	MLTIX	MFS Lifetime 2030 I	9/29/05
[1992]	MLTEX	MFS Lifetime 2030 R1	9/29/05
[1993]		MFS Lifetime 2030 R2	9/29/05
[1994]	MLTGX	MFS Lifetime 2030 R2	9/29/05
[1995]	MLTHX	MFS Lifetime 2030 R3	9/29/05
[1996]	MLTJX	MFS Lifetime 2030 R4	9/29/05
[1997]	MLTKX	MFS Lifetime 2030 R6	8/29/16
[1998]	MURIX	MoA Clear Passage 2030 Fund	11/5/07
[1999]	NWIAX	Nationwide Destination 2030 A	8/29/07
[2000]	NWIAX.lw	Nationwide Destination 2030 A LW	8/29/07
[2001]		Nationwide Destination 2030 C	8/29/07
[2002]	NWISX	Nationwide Destination 2030 Instl Svc	8/29/07
[2003]	NWBIX	Nationwide Destination 2030 R	8/29/07
[2004]		Nationwide Destination 2030 R1	8/29/07
[2005]	NWIIX	Nationwide Destination 2030 R6	8/29/07
[2006]	NSFFX	Natixis Target Retirement 2030 N	2/28/17
[2007]	TCHHX	Nuveen Lifecycle 2030 I	12/4/15
[2008]	TCHPX	Nuveen Lifecycle 2030 Premier	9/30/09
[2009]	TCRIX	Nuveen Lifecycle 2030 R6	1/17/07
[2010]	TCLNX	Nuveen Lifecycle 2030 Retirement	10/15/04
[2011]	TLHHX	Nuveen Lifecycle Index 2030 I	12/4/15
[2012]	TLHPX	Nuveen Lifecycle Index 2030 Premier	9/30/09
[2013]	TLHIX	Nuveen Lifecycle Index 2030 R6	9/30/09
[2014]	TLHRX	Nuveen Lifecycle Index 2030 Retire	9/30/09
[2015]	OTAKX	Old Mutual 2021-2030 Aggressive A	1/2/09
[2016]	OTAKX.lw	Old Mutual 2021-2030 Aggressive A LW	1/2/09
[2017]	OTACX	Old Mutual 2021-2030 Aggressive Instl	3/3/08
[2018]	OTCQX	Old Mutual 2021-2030 Conservative A	1/2/09
[2019]	OTCQX.lw	Old Mutual 2021-2030 Conservative A LW	1/2/09
[2020]	OTCEX	Old Mutual 2021-2030 Conservative Instl	3/3/08
[2021]	OTMHX	Old Mutual 2021-2030 Moderate A	1/2/09
[2022]	OTMHX.lw	Old Mutual 2021-2030 Moderate A LW	1/2/09
[2023]	OTMDX	Old Mutual 2021-2030 Moderate Instl	3/3/08
[2024]	OTHAX	Oppenheimer Transition 2030 A	12/15/06
[2025]	OTHAX.lw	Oppenheimer Transition 2030 A LW	12/15/06
[2026]	OTHBX	Oppenheimer Transition 2030 B	12/15/06

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[2027]	OTHCX	Oppenheimer Transition 2030 C	12/15/06
[2028]	OTHNX	Oppenheimer Transition 2030 N	12/15/06
[2029]	OTHYX	Oppenheimer Transition 2030 Y	12/15/06
[2030]	PWLJX	Payden/Wilshire Longevity 2030+	6/29/07
[2031]	PDFCX	PGIM Target Date 2030 R1	12/13/16
[2032]	PDFEX	PGIM Target Date 2030 R2	12/13/16
[2033]	PDFFX	PGIM Target Date 2030 R3	12/13/16
[2034]	PDFGX	PGIM Target Date 2030 R4	12/13/16
[2035]	PDFHX	PGIM Target Date 2030 R5	12/13/16
[2036]	PDFJX	PGIM Target Date 2030 R6	12/13/16
[2037]	PBPAX	PIMCO RealPath Blend 2030 A	12/31/14
[2038]	PBPAX.lw	PIMCO RealPath Blend 2030 A Load Waived	12/31/14
[2039]		PIMCO RealPath Blend 2030 Administrative	12/31/14
[2040]	PBPNX	PIMCO RealPath Blend 2030 Institutional	12/31/14
[2041]		PIMCO RealPath™ 2030 A	3/31/08
[2042]	PEHAX.lw	PIMCO RealPath™ 2030 A Load Waived	3/31/08
[2043]		PIMCO RealPath™ 2030 Administrative	6/30/08
[2044]		PIMCO RealPath™ 2030 C	7/31/08
[2045]		PIMCO RealPath™ 2030 D	3/31/08
[2046]		PIMCO RealPath™ 2030 Institutional	3/31/08
[2047]		PIMCO RealPath™ 2030 P	10/31/11
[2048]		PIMCO RealPath™ 2030 R	7/31/08
[2049]		PNC Target 2030 I	9/28/12
[2050]		PNC Target 2030 T	4/28/15
[2051]		Presidential® Managed Risk 2030 A	11/2/11
[2052]		Presidential® Managed Risk 2030 A LW	11/2/11
[2053]		Presidential® Managed Risk 2030 C	11/2/11
[2054]		Presidential® Managed Risk 2030 I	11/2/11
[2055]	PTCAX	Principal LifeTime 2030 A	6/28/05
[2056]	PTCAX.lw	Principal LifeTime 2030 A Load Waived	6/28/05
[2057]	PTCBX	Principal LifeTime 2030 B	6/28/05
[2058]	PPLTX	Principal LifeTime 2030 C	1/16/07
[2059]	PMTIX	Principal LifeTime 2030 Institutional	3/1/01
[2060]	PLTJX	Principal LifeTime 2030 J	6/15/01
[2061]	PXASX	Principal LifeTime 2030 R1	11/1/04
[2062]		Principal LifeTime 2030 R2	3/1/01
[2063]	PTCMX	Principal LifeTime 2030 R3	3/1/01
[2064]	PTCSX	Principal LifeTime 2030 R4	3/1/01
[2065]	PTCPX	Principal LifeTime 2030 R5	3/1/01
[2066]	PHTNX	Principal LifeTime Hybrid 2030 Instl	9/30/14
[2067]	PHJNX	Principal LifeTime Hybrid 2030 J	3/1/18
[2068]		Principal LifeTime Hybrid 2030 R-3	3/1/19
[2069]		Principal LifeTime Hybrid 2030 R-5	3/1/19
[2070]	PLZTX	Principal LifeTime Hybrid 2030 R6	8/24/15
[2071]	PDLTX	Putnam Retirement Advantage 2030 A	9/1/20
[2072]	PDLKX	Putnam Retirement Advantage 2030 C	9/1/20
[2073]	PDKAX	Putnam Retirement Advantage 2030 R	9/1/20
[2074]	PAFOX	Putnam Retirement Advantage 2030 R3	9/1/20
[2075]	PAFQX	Putnam Retirement Advantage 2030 R4	9/1/20
[2076]	PAFVX	Putnam Retirement Advantage 2030 R5	9/1/20
[2077]	PDIZX	Putnam Retirement Advantage 2030 R6	12/31/19
[2078]	PDGKX	Putnam Retirement Advantage 2030 Y	9/1/20
[2079]	PRRQX.lw	Putnam RetirementReady 2030 A LW	11/1/04
[2080]		Putnam RetirementReady 2030 M	11/1/04
[2081]	PRRQX	Putnam Sustainable Retirement 2030 A	11/1/04
[2082]		Putnam Sustainable Retirement 2030 B	11/1/04
[2083]		Putnam Sustainable Retirement 2030 C	11/1/04
[2084]		Putnam Sustainable Retirement 2030 R	11/1/04

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[2085]	PADOX	Putnam Sustainable Retirement 2030 R3	1/4/21
[2086]	PADNX	Putnam Sustainable Retirement 2030 R4	1/4/21
[2087]	PADRX	Putnam Sustainable Retirement 2030 R5	1/4/21
[2088]	PREZX	Putnam Sustainable Retirement 2030 R6	9/1/16
[2089]	PRRTX	Putnam Sustainable Retirement 2030 Y	11/1/04
[2090]	LMVAX.lw	QS Legg Mason Target Retirement 203 A LW	8/29/08
[2091]	LMVAX	QS Legg Mason Target Retirement 2030 A	8/29/08
[2092]	LMVCX	QS Legg Mason Target Retirement 2030 C	8/29/08
[2093]	LMQFX	QS Legg Mason Target Retirement 2030 FI	8/29/08
[2094]	LMVIX	QS Legg Mason Target Retirement 2030 I	8/29/08
[2095]	LMVSX	QS Legg Mason Target Retirement 2030 IS	8/29/08
[2096]	LMQRX	QS Legg Mason Target Retirement 2030 R	8/29/08
[2097]	RSRNX	RiverSource Retirement Plus 2030 R3	12/11/06
[2098]	RSELX	RiverSource Retirement Plus 2030 R4	12/11/06
[2099]	RSEEX	RiverSource Retirement Plus 2030 R5	12/11/06
[2100]	RRLAX.lw	Russell Inv LifePoints 2030 Strateg A LW	8/31/05
[2101]		Russell Inv LifePoints 2030 Strategy A	8/31/05
[2102]		Russell Inv LifePoints 2030 Strategy E	12/31/04
[2103]		Russell Inv LifePoints 2030 Strategy R1	6/7/06
[2104]		Russell Inv LifePoints 2030 Strategy R4	9/7/06
[2105]		Russell Inv LifePoints 2030 Strategy R5	12/31/04
[2106]		Russell Inv LifePoints 2030 Strategy S	12/31/04
[2107]		Russell LifePoints 2030 Strategy R4 {mg}	10/1/14
[2108]		Russell LifePoints 2030 Strategy R5 {mg}	10/1/14
[2109]	SWDRX	Schwab Target 2030	7/1/05
[2110]	SWYEX	Schwab Target 2030 Index	8/25/16
[2111]		Schwab Target 2030 Index Investor	8/25/16
[2112]	SPTMX	SP Funds 2030 Target Date Institutional	6/28/24
[2113]	SPTAX	SP Funds 2030 Target Date Investor	6/28/24
[2114]		State Farm LifePath 2030 A	5/1/06
[2115]	NLHAX.lw	State Farm LifePath 2030 A Load Waived	5/1/06
[2116]		State Farm LifePath 2030 B	5/1/06
[2117]		State Farm LifePath 2030 Inst	5/9/03
[2118]		State Farm LifePath 2030 Legacy B	5/9/03
[2119]		State Farm LifePath 2030 Premier	5/9/03
[2120]	SAYAX.lw	State Farm LifePath 2030 Premier LW	5/9/03
[2121]		State Farm LifePath 2030 R1	9/13/04
[2122]		State Farm LifePath 2030 R2	9/13/04
[2123]		State Farm LifePath 2030 R3	9/13/04
[2124]		State Street Target Retirement 2030 A	9/30/14
[2125]	SSBUX.lw	State Street Target Retirement 2030 A LW	9/30/14
[2126]		State Street Target Retirement 2030 C	12/31/15
[2127]	SSBWX	State Street Target Retirement 2030 I	9/30/14
[2128]	SSBYX	State Street Target Retirement 2030 K	9/30/14
[2129]	SSAJX	State Street Target Retirement 2030 R3	2/25/22
[2130]	TRRCX	T. Rowe Price Retirement 2030	9/30/02
[2131]	PARCX	T. Rowe Price Retirement 2030 Advisor	10/31/03
[2132]	TRFHX	T. Rowe Price Retirement 2030 I	11/13/23
[2133]	RRTCX	T. Rowe Price Retirement 2030 R	10/31/03
[2134]	TBLWX	T. Rowe Price Retirement Blend 2030	7/26/21
[2135]	TBLGX	T. Rowe Price Retirement Blend 2030 I	7/26/21
[2136]		T. Rowe Price Retirement I 2030 I	9/29/15
[2137]	TRRWX	T. Rowe Price Target 2030	8/20/13
[2138]	PAKRX	T. Rowe Price Target 2030 Advisor	8/20/13
[2139]	TWRRX	T. Rowe Price Target 2030 I	2/26/16
[2140]	HTHBX	The Hartford Target Retirement 2030 B	9/30/05
[2141]	HTHCX	The Hartford Target Retirement 2030 C	9/30/05
[2142]	TDFTX	Transamerica ClearTrack® 2030 R1	3/2/15

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[2143] TCTLX	Transamerica ClearTrack® 2030 R3	3/1/19
[2144] TDHTX	Transamerica ClearTrack® 2030 R6	3/2/15
[2145]	Van Kampen 2030 Retirement Strategy A	10/23/08
[2146]	Van Kampen 2030 Retirement Strategy A LW	10/23/08
[2147]	Van Kampen 2030 Retirement Strategy C	10/23/08
[2148] VREIX	Van Kampen 2030 Retirement Strategy I	10/23/08
[2149]	Van Kampen 2030 Retirement Strategy R	10/23/08
[2150]	Vanguard Instl Trgt Retire 2030 Instl	6/26/15
[2151] VTHRX	Vanguard Target Retirement 2030 Fund	6/7/06
[2152]	Vantagepoint Milestone 2030 Inv M	1/3/05
[2153]	Vantagepoint Milestone 2030 TM	3/1/13
[2154] URTRX	Victory Target Retirement 2030	7/31/08
[2155] VDFAX.lw	Virtus DFA 2030 Trgt Date Retire In A LW	1/11/16
[2156]	Virtus DFA 2030 Trgt Date Retire Inc A	1/11/16
[2157]	Virtus DFA 2030 Trgt Date Retire Inc I	1/11/16
[2158]	Virtus DFA 2030 Trgt Date Retire Inc R6	1/11/16
[2159]	Virtus DFA 2030 Trgt Date Retire Inc T	4/13/17
[2160] IDXXF	Voya Index Solution 2030 Port ADV	10/3/11
[2161] IDXXG	Voya Index Solution 2030 Port I	10/3/11
[2162] IDXXH	Voya Index Solution 2030 Port S	10/3/11
[2163] IDXXI	Voya Index Solution 2030 Port S2	10/3/11
[2164]	Voya Index Solution 2030 Port T	10/3/11
[2165] VSZCX	Voya Index Solution 2030 Port Z	5/1/15
[2166] ISNFX	Voya Solution 2030 Port ADV	10/3/11
[2167] ISNGX	Voya Solution 2030 Port I	10/3/11
[2168] ISNHX	Voya Solution 2030 Port S	10/3/11
[2169] ISNIX	Voya Solution 2030 Port S2	10/3/11
[2170]	Voya Solution 2030 Port T	10/3/11
[2171] VTREX	Voya Target Retirement 2030 A	12/21/15
[2172] VTREX.lw	Voya Target Retirement 2030 A LW	12/21/15
[2173] IRSMX	Voya Target Retirement 2030 I	12/20/12
[2174] VRRIX	Voya Target Retirement 2030 R	6/1/18
[2175] VTRFX	Voya Target Retirement 2030 R6	12/21/15
[2176] WFETX	Wells Fargo Advtg DJ Trgt 2030 Inv	1/31/07
[2177]	Wells Fargo Dow Jones Target 2030 B	3/3/97
[2178] WDTNX.lw	Wells Fargo Dynamic Target 2030 A LW	11/30/15
[2179]	Wells Fargo Dynamic Target 2030 R	11/30/15
[2180] STHRX.lw	Wells Fargo Target 2030 A Load Waived	3/1/94
[2181]	XTF 2030 ETF A	4/2/07
[2182]	XTF 2030 ETF A Load Waived	4/2/07
[2183]	XTF 2030 ETF C	4/2/07
[2184]	XTF 2030 ETF I	4/2/07
[2185]	XTF 2030 ETF R	4/2/07
[2186]	XTF ETF 2030 I	5/1/07
[2187]	XTF ETF 2030 II	5/1/07
[2188] TNLIX	1290 Retirement 2035 I	2/27/17
[2189]	AB 2035 Retirement Strategy A	9/1/05
[2190]	AB 2035 Retirement Strategy A LW	9/1/05
[2191]	AB 2035 Retirement Strategy Advisor	9/1/05
[2192]	AB 2035 Retirement Strategy B	9/1/05
[2193]	AB 2035 Retirement Strategy C	9/1/05
[2194]	AB 2035 Retirement Strategy I	9/1/05
[2195]	AB 2035 Retirement Strategy K	9/1/05
[2196]	AB 2035 Retirement Strategy R	9/1/05
[2197]	AB Multi-Manager Select 2035 A	12/15/14
[2198] TDMAX.lw	AB Multi-Manager Select 2035 A LW	12/15/14
[2199]	AB Multi-Manager Select 2035 Advisor	12/15/14
[2200]	AB Multi-Manager Select 2035 C	12/15/14

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[2201]	AB Multi-Manager Select 2035 I	12/15/14
[2202]	AB Multi-Manager Select 2035 K	12/15/14
[2203]	AB Multi-Manager Select 2035 R	12/15/14
[2204]	AB Multi-Manager Select 2035 Z	12/15/14
[2205]	AllianzGI Retirement 2035 A	12/19/11
[2206] GVRAX.lw	AllianzGI Retirement 2035 A Load Waived	12/19/11
[2207]	AllianzGI Retirement 2035 Administrative	12/19/11
[2208]	AllianzGI Retirement 2035 P	12/19/11
[2209]	AllianzGI Retirement 2035 R	12/19/11
[2210]	AllianzGI Retirement 2035 R6	12/19/11
[2211]	Allspring Dynamic Target 2035 A	11/30/15
[2212]	Allspring Dynamic Target 2035 Admin	8/26/22
[2213]	Allspring Dynamic Target 2035 C	11/30/15
[2214]	Allspring Dynamic Target 2035 R4	11/30/15
[2215]	Allspring Dynamic Target 2035 R6	11/30/15
[2216]	Allspring Target 2035 A	11/30/12
[2217]	Allspring Target 2035 Admin	6/29/07
[2218]	Allspring Target 2035 R	6/28/13
[2219]	Allspring Target 2035 R4	11/30/12
[2220]	Allspring Target 2035 R6	6/29/07
[2221] AACMX	American Century One Chc Blnd+ 2035 A	3/10/21
[2222] AACLX	American Century One Chc Blnd+ 2035 I	3/10/21
[2223] AACKX	American Century One Chc Blnd+ 2035 Inv	3/10/21
[2224] AACPX	American Century One Chc Blnd+ 2035 R	3/10/21
[2225] AACQX	American Century One Chc Blnd+ 2035 R6	3/10/21
[2226] ARYAX	American Century One Choice 2035 A	8/31/04
[2227] ARYAX.lw	American Century One Choice 2035 A LW	8/31/04
[2228] ARLCX	American Century One Choice 2035 C	3/1/10
[2229] ARLIX	American Century One Choice 2035 I	8/31/04
[2230] ARYIX	American Century One Choice 2035 Inv	8/31/04
[2231] ARYRX	American Century One Choice 2035 R	8/31/04
[2232] ARLDX	American Century One Choice 2035 R6	7/31/13
[2233]	American Century One Choice 2035 R6 new	7/31/17
[2234] AAFTX.lw	American Funds 2035 Trgt Date Retir A LW	2/1/07
[2235] AAFTX	American Funds 2035 Trgt Date Retire A	2/1/07
[2236]	American Funds 2035 Trgt Date Retire B	2/21/14
[2237] CCFTX	American Funds 2035 Trgt Date Retire C	2/21/14
[2238] FAQTX	American Funds 2035 Trgt Date Retire F1	2/21/14
[2239] FBFTX	American Funds 2035 Trgt Date Retire F2	2/21/14
[2240] FDFTX	American Funds 2035 Trgt Date Retire F3	1/27/17
[2241] RAFTX	American Funds 2035 Trgt Date Retire R1	2/1/07
[2242] RBFTX	American Funds 2035 Trgt Date Retire R2	2/1/07
[2243] RBEFX	American Funds 2035 Trgt Date Retire R2E	8/29/14
[2244] RCFTX	American Funds 2035 Trgt Date Retire R3	2/1/07
[2245] RDFTX	American Funds 2035 Trgt Date Retire R4	2/1/07
[2246] REFTX	American Funds 2035 Trgt Date Retire R5	2/1/07
[2247] RHFTX	American Funds 2035 Trgt Date Retire R5E	11/20/15
[2248] RFFTX	American Funds 2035 Trgt Date Retire R6	7/13/09
[2249] LEJIX	BlackRock LifePath ESG Index 2035 Instl	8/18/20
[2250] LEJAX	BlackRock LifePath ESG Index 2035 Inv A	8/18/20
[2251] LEJKX	BlackRock LifePath ESG Index 2035 K	8/18/20
[2252] LPJIX	BlackRock LifePath® Dyn 2035 Instl	6/30/10
[2253] LPJAX.lw	BlackRock LifePath® Dyn 2035 Invest A L W	6/30/10
[2254] LPJAX	BlackRock LifePath® Dyn 2035 Investor A	6/30/10
[2255] LPJCX	BlackRock LifePath® Dyn 2035 Investor C	6/30/10
[2256] LPJKX	BlackRock LifePath® Dyn 2035 K	6/30/10
[2257] LPJRX	BlackRock LifePath® Dyn 2035 R	6/30/10
[2258] LIJIX	BlackRock LifePath® Index 2035 Instl	5/31/11



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[2259] LIJAX	BlackRock LifePath® Index 2035 Inv A	5/31/11
[2260] LIJPX	BlackRock LifePath® Index 2035 Inv P	8/6/18
[2261] LIJKX	BlackRock LifePath® Index 2035 K	5/31/11
[2262] BAPGX.lw	BlackRock LifePath® Smart Beta 2035 I LW	4/20/07
[2263]	BlackRock LifePath® Smart Beta 2035 Ins	11/27/12
[2264]	BlackRock LifePath® Smart Beta 2035 InvA	4/20/07
[2265]	BlackRock LifePath® Smart Beta 2035 K	4/20/07
[2266]	BlackRock LifePath® Smart Beta 2035 R	4/20/07
[2267]	BMO Target Retirement 2035 I	12/27/13
[2268]	BMO Target Retirement 2035 R3	12/27/13
[2269]	BMO Target Retirement 2035 R6	12/27/13
[2270]	BMO Target Retirement 2035 Y	12/27/13
[2271]	Columbia Adaptive Retirement 2035 Adv	4/4/18
[2272]	Columbia Adaptive Retirement 2035 Inst3	4/4/18
[2273] BTGAX	Columbia Retirement 2035 A	5/31/06
[2274] BAGCX	Columbia Retirement 2035 C	5/31/06
[2275] BAGRX	Columbia Retirement 2035 R	5/31/06
[2276] BAGZX	Columbia Retirement 2035 Z	5/31/06
[2277] CPSAX	Columbia Retirement Plus 2035 A	5/18/06
[2278] CPSAX.lw	Columbia Retirement Plus 2035 A LW	5/18/06
[2279] CRPZX	Columbia Retirement Plus 2035 C	9/27/10
[2280] CPSRX	Columbia Retirement Plus 2035 R	12/11/06
[2281] RPOYX	Columbia Retirement Plus 2035 Z	5/18/06
[2282] DRIGX	Dimensional 2035 Target Dt Rtr Inc Instl	11/2/15
[2283] MXTBX	Empower Lifetime 2035 Instl	5/1/15
[2284] MXKLX	Empower Lifetime 2035 Inv	5/1/09
[2285] MXLLX	Empower Lifetime 2035 Svc	5/1/09
[2286]	Federated Target ETF 2035 A	4/6/06
[2287]	Federated Target ETF 2035 A Load Waived	4/6/06
[2288]	Federated Target ETF 2035 Instl	4/6/06
[2289] FTHKX	Federated Target ETF 2035 K	4/6/06
[2290] FATHX	Fidelity Advisor Freedom 2035 A	11/6/03
[2291] FCTHX	Fidelity Advisor Freedom 2035 C	11/6/03
[2292] FITHX	Fidelity Advisor Freedom 2035 I	11/6/03
[2293] FHGLX	Fidelity Advisor Freedom 2035 K6	6/6/17
[2294] FTTHX	Fidelity Advisor Freedom 2035 M	11/6/03
[2295] FIJOX	Fidelity Advisor Freedom 2035 Z	10/2/18
[2296] FHJGX	Fidelity Advisor Freedom Blend 2035 A	8/31/18
[2297] FHVCX	Fidelity Advisor Freedom Blend 2035 C	8/31/18
[2298] FHGDY	Fidelity Advisor Freedom Blend 2035 I	8/31/18
[2299] FHBCX	Fidelity Advisor Freedom Blend 2035 M	8/31/18
[2300] FHSDX	Fidelity Advisor Freedom Blend 2035 Z	8/31/18
[2301]	Fidelity Advisor Freedom Blend 2035 Z6	8/31/18
[2302] FATHX.lw	Fidelity Advisor Freedom® 2035 A LW	11/6/03
[2303]	Fidelity Advisor Freedom® 2035 B	11/6/03
[2304] FMRUX	Fidelity Advisor Managed Ret 2035 A	12/15/22
[2305] FMRYX	Fidelity Advisor Managed Ret 2035 I	12/15/22
[2306]	Fidelity Advisor Managed Ret 2035 Z6	12/15/22
[2307] FSXLX	Fidelity Advisor Sust Trgt Dt 2035 A	5/11/23
[2308] FSXNX	Fidelity Advisor Sust Trgt Dt 2035 C	5/11/23
[2309] FSXQX	Fidelity Advisor Sust Trgt Dt 2035 I	5/11/23
[2310] FSXOX	Fidelity Advisor Sust Trgt Dt 2035 M	5/11/23
[2311] FSXRX	Fidelity Advisor Sust Trgt Dt 2035 Z	5/11/23
[2312]	Fidelity Advisor Sust Trgt Dt 2035 Z6	5/11/23
[2313] FJLSX	Fidelity Flex Freedom Blend 2035	6/8/17
[2314] FFTHX	Fidelity Freedom 2035	11/6/03
[2315] FSNUX	Fidelity Freedom 2035 K	7/20/17
[2316] FWTKX	Fidelity Freedom 2035 K6	6/7/17

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[2317] FHASX	Fidelity Freedom Blend 2035	8/31/18
[2318] FHZDX	Fidelity Freedom Blend 2035 K	8/31/18
[2319] FHJDX	Fidelity Freedom Blend 2035 K6	8/31/18
[2320] FFBRX	Fidelity Freedom Blnd 2035 Premier	4/6/21
[2321] FFEZX	Fidelity Freedom Index 2035 Instl Prem	6/24/15
[2322] FIHFX	Fidelity Freedom Index 2035 Investor	10/2/09
[2323] FNIPX	Fidelity Freedom Index 2035 Premier	6/24/20
[2324]	Fidelity Freedom K® 2035	7/2/09
[2325] FMRTX	Fidelity Managed Retirement 2035	12/15/22
[2326] FMRZX	Fidelity Managed Retirement 2035 K	12/15/22
[2327] FMRJX	Fidelity Managed Retirement 2035 K6	12/15/22
[2328] FSXKX	Fidelity Sustainable Target Date 2035	5/11/23
[2329] FSXTX	Fidelity Sustainable Target Date 2035 K	5/11/23
[2330] FSXUX	Fidelity Sustainable Target Date 2035 K6	5/11/23
[2331]	Fidelity® Multi-Manager 2035	12/20/12
[2332]	Fidelity® Multi-Manager 2035 L	12/4/13
[2333]	Fidelity® Multi-Manager 2035 N	12/4/13
[2334] FRTAX	Franklin LifeSmart 2035 Ret Trgt A	8/1/06
[2335] FTRCX	Franklin LifeSmart 2035 Ret Trgt C	8/1/06
[2336] FLRGX	Franklin LifeSmart 2035 Ret Trgt R	8/1/06
[2337] FMTLX	Franklin LifeSmart 2035 Ret Trgt R6	5/1/13
[2338] FLRHX	Franklin LifeSmart 2035 Ret TrgtAdv	8/1/06
[2339] FRTAX.lw	Franklin LifeSmart™ 2035 Retire Trg A LW	8/1/06
[2340]	Goldman Sachs Target Date 2035 A	8/22/16
[2341] GTALX.lw	Goldman Sachs Target Date 2035 A LW	8/22/16
[2342]	Goldman Sachs Target Date 2035 Instl	8/22/16
[2343]	Goldman Sachs Target Date 2035 Inv	8/22/16
[2344]	Goldman Sachs Target Date 2035 R	8/22/16
[2345]	Goldman Sachs Target Date 2035 R6	8/22/16
[2346]	Goldman Sachs Target Date 2035 Svc	8/22/16
[2347] MXRJX	Great-West Lifetime 2035 II Instl	5/1/15
[2348] MXLRX	Great-West Lifetime 2035 II L	4/7/11
[2349] MXILX	Great-West Lifetime 2035 II T	5/1/09
[2350] MXJLX	Great-West Lifetime 2035 II T1	5/1/09
[2351]	Great-West Lifetime 2035 L	4/22/16
[2352]	Great-West Lifetime Cnsrv 2035 Instl	5/1/15
[2353]	Great-West Lifetime Cnsrv 2035 Inv	5/1/09
[2354]	Great-West Lifetime Cnsrv 2035 Svc	5/1/09
[2355]	Great-West SecureFoundation® LT 2035 Inv	11/13/09
[2356]	Great-West SecureFoundation® LT 2035 L	1/31/11
[2357]	Great-West SecureFoundation® LT 2035 Svc	11/13/09
[2358]	Great-West SecureFoundation® LT 2035Inst	1/15/16
[2359] GMFNX	GuideStone Funds MyDestination 2035 GS6	12/29/06
[2360] GMHWX	Guidestone Funds MyDestination 2035 GS8	12/29/06
[2361] GMHZZ	GuideStone Funds MyDestination 2035 Inv	12/29/06
[2362] GMHYX	GuideStone Funds MyDestination 2035Instl	5/1/17
[2363]	Harbor Target Retirement 2035 Admin	1/2/09
[2364]	Harbor Target Retirement 2035 Instl	1/2/09
[2365]	Harbor Target Retirement 2035 Inv	1/2/09
[2366] HTLRX	Hartford Target Retirement 2035 R3	11/3/08
[2367] HTLSX	Hartford Target Retirement 2035 R4	11/3/08
[2368] HTLTIX	Hartford Target Retirement 2035 R5	10/31/08
[2369] HTLYX	Hartford Target Retirement 2035 Y	2/28/13
[2370]	Invesco Peak Retirement 2035 A	12/29/17
[2371]	Invesco Peak Retirement 2035 C	12/29/17
[2372]	Invesco Peak Retirement 2035 R	12/29/17
[2373]	Invesco Peak Retirement 2035 R5	12/29/17
[2374]	Invesco Peak Retirement 2035 R6	12/29/17

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[2375]	Invesco Peak Retirement 2035 Y	12/29/17
[2376] JHAYX	JHancock 2035 Lifetime Blend Pft A	6/21/21
[2377] JRTKX	JHancock 2035 Lifetime Blend Ptf 1	11/7/13
[2378] JRTMX	JHancock 2035 Lifetime Blend Ptf R4	11/7/13
[2379] JRTNX	JHancock 2035 Lifetime Blend Ptf R6	11/7/13
[2380]	JHancock 2035 Presv Blend Ptf 1	4/30/10
[2381]	JHancock 2035 Presv Blend Ptf R2	9/4/12
[2382]	JHancock 2035 Presv Blend Ptf R4	5/1/12
[2383]	JHancock 2035 Presv Blend Ptf R6	9/4/12
[2384]	JHancock 2035 Prsrvtn Blend Pft I	10/22/21
[2385]	JHancock Multi-Index 2035 Presv A	6/24/15
[2386]	JHancock Multi-Index 2035 Presv I	6/24/15
[2387]	JHancock Multi-Index 2035 Presv R1	9/4/12
[2388]	JHancock Multi-Index 2035 Presv R3	6/21/16
[2389]	JHancock Multi-Index 2035 Presv R5	6/21/16
[2390]	JHancock Multi-Index 2035 Presv A	7/7/21
[2391] JLHOX	JHancock Multimanager 2035 Lifetime 1	10/30/06
[2392] JLHAX	JHancock Multimanager 2035 Lifetime A	10/30/06
[2393] JLHAX.lw	JHancock Multimanager 2035 Lifetime A LW	10/30/06
[2394] JHRMX	JHancock Multimanager 2035 Lifetime I	3/27/15
[2395]	JHancock Multimanager 2035 Lifetime R1	10/30/06
[2396] JLHEX	JHancock Multimanager 2035 Lifetime R2	3/1/12
[2397]	JHancock Multimanager 2035 Lifetime R3	10/30/06
[2398] JLHGX	JHancock Multimanager 2035 Lifetime R4	10/30/06
[2399] JLHHX	JHancock Multimanager 2035 Lifetime R5	10/30/06
[2400] JLHIX	JHancock Multimanager 2035 Lifetime R6	9/1/11
[2401]	JHancock Retire Living thru II 2035 R2	11/7/13
[2402] JLHBX	JHancock2 Lifecycle 2035 B	10/30/06
[2403] JLHCX	JHancock2 Lifecycle 2035 C	10/30/06
[2404] JLHRX	JHancock2 Lifecycle 2035 R	10/30/06
[2405]	JHancock2 Lifecycle 2035 R2 (obs)	10/30/06
[2406] SRJAX	JPMorgan SmartRetirement® 2035 A	7/31/07
[2407] SRJAX.lw	JPMorgan SmartRetirement® 2035 A LW	7/31/07
[2408] SRJCX	JPMorgan SmartRetirement® 2035 C	7/31/07
[2409] SRJSX	JPMorgan SmartRetirement® 2035 I	7/31/07
[2410] SRJZX	JPMorgan SmartRetirement® 2035 R2	11/3/08
[2411] SRJPX	JPMorgan SmartRetirement® 2035 R3	9/9/16
[2412] SRJQX	JPMorgan SmartRetirement® 2035 R4	9/9/16
[2413] SRJIX	JPMorgan SmartRetirement® 2035 R5	7/31/07
[2414] SRJYX	JPMorgan SmartRetirement® 2035 R6	11/3/14
[2415]	JPMorgan SmartRetirement® Blend 2035 A	7/2/12
[2416]	JPMorgan SmartRetirement® Blend 2035 C	7/2/12
[2417] JPSRX	JPMorgan SmartRetirement® Blend 2035 I	7/2/12
[2418] JPRRX	JPMorgan SmartRetirement® Blend 2035 R2	7/2/12
[2419] JPTLX	JPMorgan SmartRetirement® Blend 2035 R3	5/31/17
[2420] JPTKX	JPMorgan SmartRetirement® Blend 2035 R4	5/31/17
[2421] JPBRX	JPMorgan SmartRetirement® Blend 2035 R5	7/2/12
[2422] JPYRX	JPMorgan SmartRetirement® Blend 2035 R6	7/2/12
[2423]	KP Retirement Path 2035 Institutional	1/10/14
[2424] MTQCX	Manning & Napier Target 2035 C	6/25/12
[2425]	Manning & Napier Target 2035 I	6/25/12
[2426]	Manning & Napier Target 2035 K	6/25/12
[2427]	Manning & Napier Target 2035 R	6/25/12
[2428]	Manning & Napier Target 2035 R6	10/16/17
[2429] MMXAX.lw	MassMutual RetireSMART 2035 A LW	4/1/10
[2430] MMXLX	MassMutual RetireSMART 2035 L	4/1/10
[2431] MMXAX	MassMutual RetireSMART by JPM 2035 A	4/1/10
[2432] MMXYX	MassMutual RetireSMART by JPM 2035 Adm	4/1/10



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[2433]	MMXUX	MassMutual RetireSMART by JPM 2035 I	4/1/14
[2434]	MMXNX	MassMutual RetireSMART by JPM 2035 R3	4/1/14
[2435]	MMXZX	MassMutual RetireSMART by JPM 2035 R4	4/1/14
[2436]	MMXTX	MassMutual RetireSMART by JPM 2035 R5	4/1/14
[2437]	MMXSX	MassMutual RetireSMART by JPM 2035 Svc	4/1/10
[2438]	MMTJX	MassMutual Select TRP Retirement 2035 I	2/16/18
[2439]	MMTMX	MassMutual Select TRP Retirement 2035 M3	2/16/18
[2440]	MMTLX	MassMutual Select TRP Retirement 2035 M4	2/16/18
[2441]	MMTKX	MassMutual Select TRP Retirement 2035 M5	2/16/18
[2442]	LFEAX	MFS Lifetime 2035 A	11/2/12
[2443]	LFEAX.lw	MFS Lifetime 2035 A Load Waived	11/2/12
[2444]	LFEBX	MFS Lifetime 2035 B	11/2/12
[2445]	LFECX	MFS Lifetime 2035 C	11/2/12
[2446]	LFEDX	MFS Lifetime 2035 I	11/2/12
[2447]	LFERX	MFS Lifetime 2035 R1	11/2/12
[2448]	LFESX	MFS Lifetime 2035 R2	11/2/12
[2449]	LFETX	MFS Lifetime 2035 R3	11/2/12
[2450]	LFEUX	MFS Lifetime 2035 R4	11/2/12
[2451]	LFEKX	MFS Lifetime 2035 R6	8/29/16
[2452]	MURJX	MoA Clear Passage 2035 Fund	11/5/07
[2453]	NWLAX	Nationwide Destination 2035 A	8/29/07
[2454]	NWLAX.lw	Nationwide Destination 2035 A LW	8/29/07
[2455]		Nationwide Destination 2035 C	8/29/07
[2456]	NWLSX	Nationwide Destination 2035 Instl Svc	8/29/07
[2457]	NWLBX	Nationwide Destination 2035 R	8/29/07
[2458]		Nationwide Destination 2035 R1	8/29/07
[2459]	NWLIX	Nationwide Destination 2035 R6	8/29/07
[2460]	NSFGX	Natixis Target Retirement 2035 N	2/28/17
[2461]	TCYHX	Nuveen Lifecycle 2035 I	12/4/15
[2462]	TCYPX	Nuveen Lifecycle 2035 Premier	9/30/09
[2463]	TCIIX	Nuveen Lifecycle 2035 R6	1/17/07
[2464]	TCLRX	Nuveen Lifecycle 2035 Retirement	10/15/04
[2465]	TLYHX	Nuveen Lifecycle Index 2035 I	12/4/15
[2466]	TLYPX	Nuveen Lifecycle Index 2035 Premier	9/30/09
[2467]	TLYIX	Nuveen Lifecycle Index 2035 R6	9/30/09
[2468]	TLYRX	Nuveen Lifecycle Index 2035 Retire	9/30/09
[2469]	PDGCX	PGIM Target Date 2035 R1	12/13/16
[2470]	PDGEX	PGIM Target Date 2035 R2	12/13/16
[2471]	PDGFX	PGIM Target Date 2035 R3	12/13/16
[2472]	PDGGX	PGIM Target Date 2035 R4	12/13/16
[2473]	PDGHX	PGIM Target Date 2035 R5	12/13/16
[2474]	PDGJX	PGIM Target Date 2035 R6	12/13/16
[2475]	PDGAX	PIMCO RealPath Blend 2035 A	12/31/14
[2476]	PDGAX.lw	PIMCO RealPath Blend 2035 A Load Waived	12/31/14
[2477]		PIMCO RealPath Blend 2035 Administrative	12/31/14
[2478]	PDGZX	PIMCO RealPath Blend 2035 Institutional	12/31/14
[2479]		PIMCO RealPath™ 2035 A	6/30/11
[2480]	PIVAX.lw	PIMCO RealPath™ 2035 A Load Waived	6/30/11
[2481]		PIMCO RealPath™ 2035 Administrative	6/30/11
[2482]		PIMCO RealPath™ 2035 C	6/30/11
[2483]		PIMCO RealPath™ 2035 D	6/30/11
[2484]		PIMCO RealPath™ 2035 Institutional	6/30/11
[2485]		PIMCO RealPath™ 2035 P	10/31/11
[2486]		PIMCO RealPath™ 2035 R	6/30/11
[2487]	LTIUXX	Principal LifeTime 2035 Institutional	2/29/08
[2488]	LTANX	Principal LifeTime 2035 R1	2/29/08
[2489]		Principal LifeTime 2035 R2	2/29/08
[2490]	LTAOX	Principal LifeTime 2035 R3	2/29/08

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[2491]	LTSEX	Principal LifeTime 2035 R4	2/29/08
[2492]	LTPEX	Principal LifeTime 2035 R5	2/29/08
[2493]	PHTJX	Principal LifeTime Hybrid 2035 Instl	9/30/14
[2494]	PHJXX	Principal LifeTime Hybrid 2035 J	3/1/18
[2495]		Principal LifeTime Hybrid 2035 R-3	3/1/19
[2496]		Principal LifeTime Hybrid 2035 R-5	3/1/19
[2497]	PLRTX	Principal LifeTime Hybrid 2035 R6	8/24/15
[2498]	PDFLX	Putnam Retirement Advantage 2035 A	9/1/20
[2499]	PDAWX	Putnam Retirement Advantage 2035 C	9/1/20
[2500]	PDAKX	Putnam Retirement Advantage 2035 R	9/1/20
[2501]	PAFWX	Putnam Retirement Advantage 2035 R3	9/1/20
[2502]	PAFUX	Putnam Retirement Advantage 2035 R4	9/1/20
[2503]	PAFYX	Putnam Retirement Advantage 2035 R5	9/1/20
[2504]	PCDLX	Putnam Retirement Advantage 2035 R6	12/31/19
[2505]	POWYX	Putnam Retirement Advantage 2035 Y	9/1/20
[2506]	PRRWX.lw	Putnam RetirementReady 2035 A LW	11/1/04
[2507]		Putnam RetirementReady 2035 M	11/1/04
[2508]	PRRWX	Putnam Sustainable Retirement 2035 A	11/1/04
[2509]		Putnam Sustainable Retirement 2035 B	11/1/04
[2510]		Putnam Sustainable Retirement 2035 C	11/1/04
[2511]		Putnam Sustainable Retirement 2035 R	11/1/04
[2512]	PADUX	Putnam Sustainable Retirement 2035 R3	1/4/21
[2513]	PADSX	Putnam Sustainable Retirement 2035 R4	1/4/21
[2514]	PADVX	Putnam Sustainable Retirement 2035 R5	1/4/21
[2515]	PREGX	Putnam Sustainable Retirement 2035 R6	9/1/16
[2516]	PRRYX	Putnam Sustainable Retirement 2035 Y	11/1/04
[2517]	LMNAX.lw	QS Legg Mason Target Retirement 203 A LW	8/29/08
[2518]	LMNAX	QS Legg Mason Target Retirement 2035 A	8/29/08
[2519]	LMTCCX	QS Legg Mason Target Retirement 2035 C	8/29/08
[2520]	LMEFX	QS Legg Mason Target Retirement 2035 FI	8/29/08
[2521]	LMNIX	QS Legg Mason Target Retirement 2035 I	8/29/08
[2522]	LMSSX	QS Legg Mason Target Retirement 2035 IS	8/29/08
[2523]	LMRRX	QS Legg Mason Target Retirement 2035 R	8/29/08
[2524]	LVRAX	RidgeWorth Life Vision 2035 A	5/4/06
[2525]	LVRAX.lw	RidgeWorth Life Vision 2035 A LW	5/4/06
[2526]	LVRCX	RidgeWorth Life Vision 2035 C	11/2/05
[2527]	LVRIX	RidgeWorth Life Vision 2035 I	11/2/05
[2528]	RSRRX	RiverSource Retirement Plus 2035 R3	12/11/06
[2529]	RSMNX	RiverSource Retirement Plus 2035 R4	12/11/06
[2530]	RSUSX	RiverSource Retirement Plus 2035 R5	12/11/06
[2531]		Russell Inv LifePoints 2035 Strategy R1	3/31/08
[2532]		Russell Inv LifePoints 2035 Strategy R4	3/31/08
[2533]		Russell Inv LifePoints 2035 Strategy R5	3/31/08
[2534]		Russell LifePoints 2035 Strategy R4 {mg}	10/1/14
[2535]		Russell LifePoints 2035 Strategy R5 {mg}	10/1/14
[2536]	SWIRX	Schwab Target 2035	3/12/08
[2537]	SWYFX	Schwab Target 2035 Index	8/25/16
[2538]		Schwab Target 2035 Index Investor	8/25/16
[2539]	STZAX	Seligman TargETFund 2035 A	10/2/06
[2540]	STZAX.lw	Seligman TargETFund 2035 A Load Waived	10/2/06
[2541]	STZCX	Seligman TargETFund 2035 C	10/2/06
[2542]		Seligman TargETFund 2035 D	10/2/06
[2543]	STZRX	Seligman TargETFund 2035 R	10/2/06
[2544]	STZIX	Seligman TargETFund 2035 R5	10/2/06
[2545]		State Street Target Retirement 2035 A	9/30/14
[2546]	SSBZX.lw	State Street Target Retirement 2035 A LW	9/30/14
[2547]		State Street Target Retirement 2035 C	12/31/15
[2548]	SSCJX	State Street Target Retirement 2035 I	9/30/14

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[2549]	SSCKX	State Street Target Retirement 2035 K	9/30/14
[2550]	SSAZX	State Street Target Retirement 2035 R3	2/25/22
[2551]	TRRJX	T. Rowe Price Retirement 2035	2/27/04
[2552]	PARKX	T. Rowe Price Retirement 2035 Advisor	5/31/07
[2553]	TRFJX	T. Rowe Price Retirement 2035 I	11/13/23
[2554]	R RTPX	T. Rowe Price Retirement 2035 R	5/31/07
[2555]	TBLYX	T. Rowe Price Retirement Blend 2035	7/26/21
[2556]	TBLHX	T. Rowe Price Retirement Blend 2035 I	7/26/21
[2557]		T. Rowe Price Retirement I 2035 I	9/29/15
[2558]	RPGRX	T. Rowe Price Target 2035	8/20/13
[2559]	PATVX	T. Rowe Price Target 2035 Advisor	8/20/13
[2560]	TPGPX	T. Rowe Price Target 2035 I	2/26/16
[2561]	TCETX	Transamerica ClearTrack® 2035 R1	3/2/15
[2562]	TCTMX	Transamerica ClearTrack® 2035 R3	3/1/19
[2563]	TCHDX	Transamerica ClearTrack® 2035 R6	3/2/15
[2564]	VRFAX	Van Kampen 2035 Retirement Strategy A	10/23/08
[2565]	VRFAX.lw	Van Kampen 2035 Retirement Strategy A LW	10/23/08
[2566]	VRFCX	Van Kampen 2035 Retirement Strategy C	10/23/08
[2567]		Van Kampen 2035 Retirement Strategy I	10/23/08
[2568]	VRFRX	Van Kampen 2035 Retirement Strategy R	10/23/08
[2569]		Vanguard Instl Trgt Retire 2035 Instl	6/26/15
[2570]	VTTHX	Vanguard Target Retirement 2035 Fund	10/27/03
[2571]		Vantagepoint Milestone 2035 Inv M	1/3/05
[2572]		Vantagepoint Milestone 2035 TM	3/1/13
[2573]	VRTAX.lw	Virtus DFA 2035 Trgt Date Retire In A LW	1/11/16
[2574]		Virtus DFA 2035 Trgt Date Retire Inc A	1/11/16
[2575]		Virtus DFA 2035 Trgt Date Retire Inc I	1/11/16
[2576]		Virtus DFA 2035 Trgt Date Retire Inc R6	1/11/16
[2577]		Virtus DFA 2035 Trgt Date Retire Inc T	4/13/17
[2578]	ISEAX	Voya Index Solution 2035 Port ADV	3/10/08
[2579]	ISEIX	Voya Index Solution 2035 Port I	3/10/08
[2580]	ISESX	Voya Index Solution 2035 Port S	3/10/08
[2581]	IXISX	Voya Index Solution 2035 Port S2	5/28/09
[2582]		Voya Index Solution 2035 Port T	3/10/08
[2583]	VSZDX	Voya Index Solution 2035 Port Z	5/1/15
[2584]	ISQAX	Voya Solution 2035 Port ADV	4/29/05
[2585]	ISQIX	Voya Solution 2035 Port I	4/29/05
[2586]	ISQSX	Voya Solution 2035 Port S	4/29/05
[2587]	ISPCX	Voya Solution 2035 Port S2	5/28/09
[2588]		Voya Solution 2035 Port T	8/31/05
[2589]	VTRGX	Voya Target Retirement 2035 A	12/21/15
[2590]	VTRGX.lw	Voya Target Retirement 2035 A LW	12/21/15
[2591]	IRSNX	Voya Target Retirement 2035 I	12/20/12
[2592]	VRRJX	Voya Target Retirement 2035 R	6/1/18
[2593]	VTRHX	Voya Target Retirement 2035 R6	12/21/15
[2594]	WFQTX	Wells Fargo Advtg DJ Trgt 2035 Inv	6/29/07
[2595]	WDTTX.lw	Wells Fargo Dynamic Target 2035 A LW	11/30/15
[2596]		Wells Fargo Dynamic Target 2035 R	11/30/15
[2597]	WFQBX.lw	Wells Fargo Target 2035 A Load Waived	11/30/12
[2598]	TNNIX	1290 Retirement 2040 I	2/27/17
[2599]		AB 2040 Retirement Strategy A	9/1/05
[2600]		AB 2040 Retirement Strategy A LW	9/1/05
[2601]		AB 2040 Retirement Strategy Advisor	9/1/05
[2602]		AB 2040 Retirement Strategy B	9/1/05
[2603]		AB 2040 Retirement Strategy C	9/1/05
[2604]		AB 2040 Retirement Strategy I	9/1/05
[2605]		AB 2040 Retirement Strategy K	9/1/05
[2606]		AB 2040 Retirement Strategy R	9/1/05

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[2607]	AB Multi-Manager Select 2040 A	12/15/14
[2608] TDJAX.lw	AB Multi-Manager Select 2040 A LW	12/15/14
[2609]	AB Multi-Manager Select 2040 Advisor	12/15/14
[2610]	AB Multi-Manager Select 2040 C	12/15/14
[2611]	AB Multi-Manager Select 2040 I	12/15/14
[2612]	AB Multi-Manager Select 2040 K	12/15/14
[2613]	AB Multi-Manager Select 2040 R	12/15/14
[2614]	AB Multi-Manager Select 2040 Z	12/15/14
[2615]	AllianzGI Retirement 2040 A	12/29/08
[2616] AVSAX.lw	AllianzGI Retirement 2040 A Load Waived	12/29/08
[2617]	AllianzGI Retirement 2040 Administrative	12/29/08
[2618]	AllianzGI Retirement 2040 C	12/29/08
[2619]	AllianzGI Retirement 2040 D	12/29/08
[2620]	AllianzGI Retirement 2040 P	12/29/08
[2621]	AllianzGI Retirement 2040 R	12/29/08
[2622]	AllianzGI Retirement 2040 R6	12/29/08
[2623]	Allspring Dynamic Target 2040 A	11/30/15
[2624]	Allspring Dynamic Target 2040 Admin	8/26/22
[2625]	Allspring Dynamic Target 2040 C	11/30/15
[2626]	Allspring Dynamic Target 2040 R4	11/30/15
[2627]	Allspring Dynamic Target 2040 R6	11/30/15
[2628]	Allspring Target 2040 A	3/1/94
[2629]	Allspring Target 2040 Admin	11/8/99
[2630]	Allspring Target 2040 C	7/1/98
[2631]	Allspring Target 2040 R	6/28/13
[2632]	Allspring Target 2040 R4	11/30/12
[2633]	Allspring Target 2040 R6	6/30/04
[2634] AFABX.lw	Allstate ClearTarget 2040 Retirement A LW	4/14/08
[2635] AFABX	Allstate ClearTarget 2040 Retirement A	4/14/08
[2636] AFCDX	Allstate ClearTarget 2040 Retirement C	4/14/08
[2637]	Allstate ClearTarget 2040 Retirement I	4/14/08
[2638] AACVX	American Century One Chc Blnd+ 2040 A	3/10/21
[2639] AACUX	American Century One Chc Blnd+ 2040 I	3/10/21
[2640] AACSX	American Century One Chc Blnd+ 2040 Inv	3/10/21
[2641] AACWX	American Century One Chc Blnd+ 2040 R	3/10/21
[2642] AACZX	American Century One Chc Blnd+ 2040 R6	3/10/21
[2643] ARDMX	American Century One Choice 2040 A	5/30/08
[2644] ARDMX.lw	American Century One Choice 2040 A LW	5/30/08
[2645] ARNOX	American Century One Choice 2040 C	3/1/10
[2646] ARDSX	American Century One Choice 2040 I	5/30/08
[2647] ARDVX	American Century One Choice 2040 Inv	5/30/08
[2648] ARDRX	American Century One Choice 2040 R	5/30/08
[2649] ARDUX	American Century One Choice 2040 R6	7/31/13
[2650]	American Century One Choice 2040 R6 new	7/31/17
[2651] AAGTX.lw	American Funds 2040 Trgt Date Retir A LW	2/1/07
[2652] AAGTX	American Funds 2040 Trgt Date Retire A	2/1/07
[2653]	American Funds 2040 Trgt Date Retire B	2/21/14
[2654] CCGTX	American Funds 2040 Trgt Date Retire C	2/21/14
[2655] FAUTX	American Funds 2040 Trgt Date Retire F1	2/21/14
[2656] FBGTX	American Funds 2040 Trgt Date Retire F2	2/21/14
[2657] FCGTX	American Funds 2040 Trgt Date Retire F3	1/27/17
[2658] RAKTX	American Funds 2040 Trgt Date Retire R1	2/1/07
[2659] RBKTX	American Funds 2040 Trgt Date Retire R2	2/1/07
[2660] RBEKX	American Funds 2040 Trgt Date Retire R2E	8/29/14
[2661] RCKTX	American Funds 2040 Trgt Date Retire R3	2/1/07
[2662] RDGTX	American Funds 2040 Trgt Date Retire R4	2/1/07
[2663] REGTX	American Funds 2040 Trgt Date Retire R5	2/1/07
[2664] RHGTX	American Funds 2040 Trgt Date Retire R5E	11/20/15

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[2665]	RFGTX	American Funds 2040 Trgt Date Retire R6	7/27/09
[2666]	NEFPX	American Indep NestEgg 2040 A	11/1/02
[2667]	NEFPX.lw	American Indep NestEgg 2040 A LW	11/1/02
[2668]	NEJVX	American Indep NestEgg 2040 C	3/15/06
[2669]	NEFYX	American Indep NestEgg 2040 I	1/4/99
[2670]	LEKIX	BlackRock LifePath ESG Index 2040 Instl	8/18/20
[2671]	LEKAX	BlackRock LifePath ESG Index 2040 Inv A	8/18/20
[2672]	LEKKX	BlackRock LifePath ESG Index 2040 K	8/18/20
[2673]	STLEX	BlackRock LifePath® Dyn 2040 Instl	3/1/94
[2674]	LPREX.lw	BlackRock LifePath® Dyn 2040 Invest A LW	4/30/01
[2675]	LPREX	BlackRock LifePath® Dyn 2040 Investor A	4/30/01
[2676]	LPCKX	BlackRock LifePath® Dyn 2040 Investor C	5/3/10
[2677]	LPSFX	BlackRock LifePath® Dyn 2040 K	5/30/08
[2678]	LPRKX	BlackRock LifePath® Dyn 2040 R	5/3/10
[2679]	LIKIX	BlackRock LifePath® Index 2040 Instl	5/31/11
[2680]	LIKAX	BlackRock LifePath® Index 2040 Inv A	5/31/11
[2681]	LIKPX	BlackRock LifePath® Index 2040 Inv P	8/6/18
[2682]	LIKKX	BlackRock LifePath® Index 2040 K	5/31/11
[2683]	BAPHX.lw	BlackRock LifePath® Smart Beta 2040 I LW	4/20/07
[2684]		BlackRock LifePath® Smart Beta 2040 Ins	11/27/12
[2685]		BlackRock LifePath® Smart Beta 2040 InvA	4/20/07
[2686]		BlackRock LifePath® Smart Beta 2040 K	4/20/07
[2687]		BlackRock LifePath® Smart Beta 2040 R	4/20/07
[2688]	BRIEX	BlackRock Retirement Income 2040 Instl	7/31/20
[2689]	BRIDX	BlackRock Retirement Income 2040 Inv A	7/31/20
[2690]		BMO Target Retirement 2040 I	8/30/13
[2691]		BMO Target Retirement 2040 R3	8/30/13
[2692]		BMO Target Retirement 2040 R6	8/30/13
[2693]		BMO Target Retirement 2040 Y	8/30/13
[2694]		Citi Market Pilot 2040 A	10/28/14
[2695]	CFTWX	Citi Market Pilot 2040 I	2/28/14
[2696]		Columbia Adaptive Retirement 2040 Adv	10/24/17
[2697]		Columbia Adaptive Retirement 2040 Inst3	10/24/17
[2698]	BFHAX	Columbia Retirement 2040 A	5/31/06
[2699]	BFHCX	Columbia Retirement 2040 C	5/31/06
[2700]	BFHRX	Columbia Retirement 2040 R	5/31/06
[2701]	BFHZZ	Columbia Retirement 2040 Z	5/31/06
[2702]	CRLAX	Columbia Retirement Plus 2040 A	5/18/06
[2703]	CRLAX.lw	Columbia Retirement Plus 2040 A LW	5/18/06
[2704]	CRWCX	Columbia Retirement Plus 2040 C	9/27/10
[2705]	CRLRX	Columbia Retirement Plus 2040 R	12/11/06
[2706]	RPFYX	Columbia Retirement Plus 2040 Z	5/18/06
[2707]	TGTAX	Deutsche LifeCompass 2040 A	11/14/07
[2708]	TGTAX.lw	Deutsche LifeCompass 2040 A Load Waived	11/14/07
[2709]	TGTCX	Deutsche LifeCompass 2040 C	11/14/07
[2710]	TGTSX	Deutsche LifeCompass 2040 S	11/14/07
[2711]	DRIHX	Dimensional 2040 Target Dt Rtr Inc Instl	11/2/15
[2712]	MXBGX	Empower Lifetime 2040 Instl	4/28/16
[2713]	MXBDX	Empower Lifetime 2040 Inv	4/29/16
[2714]	MXBEX	Empower Lifetime 2040 Svc	4/28/16
[2715]	FAFFX	Fidelity Advisor Freedom 2040 A	7/24/03
[2716]	FCFFX	Fidelity Advisor Freedom 2040 C	7/24/03
[2717]	FIFFX	Fidelity Advisor Freedom 2040 I	7/24/03
[2718]	FKGLX	Fidelity Advisor Freedom 2040 K6	6/6/17
[2719]	FTFFX	Fidelity Advisor Freedom 2040 M	7/24/03
[2720]	FIJPX	Fidelity Advisor Freedom 2040 Z	10/2/18
[2721]	FHDEX	Fidelity Advisor Freedom Blend 2040 A	8/31/18
[2722]	FHZEX	Fidelity Advisor Freedom Blend 2040 C	8/31/18



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[2723] FHJFX	Fidelity Advisor Freedom Blend 2040 I	8/31/18
[2724] FHOEX	Fidelity Advisor Freedom Blend 2040 M	8/31/18
[2725] FHHFX	Fidelity Advisor Freedom Blend 2040 Z	8/31/18
[2726]	Fidelity Advisor Freedom Blend 2040 Z6	8/31/18
[2727] FAFFX.lw	Fidelity Advisor Freedom® 2040 A LW	7/24/03
[2728]	Fidelity Advisor Freedom® 2040 B	7/24/03
[2729] FSXWX	Fidelity Advisor Sust Trgt Dt 2040 A	5/11/23
[2730] FSXYX	Fidelity Advisor Sust Trgt Dt 2040 C	5/11/23
[2731] FSYBX	Fidelity Advisor Sust Trgt Dt 2040 I	5/11/23
[2732] FSXZX	Fidelity Advisor Sust Trgt Dt 2040 M	5/11/23
[2733] FSYDX	Fidelity Advisor Sust Trgt Dt 2040 Z	5/11/23
[2734]	Fidelity Advisor Sust Trgt Dt 2040 Z6	5/11/23
[2735] FCLSX	Fidelity Flex Freedom Blend 2040	6/8/17
[2736] FFFFX	Fidelity Freedom 2040	9/6/00
[2737] FSNVX	Fidelity Freedom 2040 K	7/20/17
[2738] FHTKX	Fidelity Freedom 2040 K6	6/7/17
[2739] FHARX	Fidelity Freedom Blend 2040	8/31/18
[2740] FHYDX	Fidelity Freedom Blend 2040 K	8/31/18
[2741] FHHDX	Fidelity Freedom Blend 2040 K6	8/31/18
[2742] FFBTX	Fidelity Freedom Blnd 2040 Premier	4/6/21
[2743] FFIZX	Fidelity Freedom Index 2040 Instl Prem	6/24/15
[2744] FBIFX	Fidelity Freedom Index 2040 Investor	10/2/09
[2745] FPIPX	Fidelity Freedom Index 2040 Premier	6/24/20
[2746]	Fidelity Freedom K® 2040	7/2/09
[2747] FSXVX	Fidelity Sustainable Target Date 2040	5/11/23
[2748] FSYFX	Fidelity Sustainable Target Date 2040 K	5/11/23
[2749] FSYGX	Fidelity Sustainable Target Date 2040 K6	5/11/23
[2750]	Fidelity® Multi-Manager 2040	12/20/12
[2751]	Fidelity® Multi-Manager 2040 L	12/4/13
[2752]	Fidelity® Multi-Manager 2040 N	12/4/13
[2753] FLADX	Franklin LifeSmart 2040 Ret Trgt A	7/1/13
[2754] FLOLX	Franklin LifeSmart 2040 Ret Trgt C	7/1/13
[2755] FLSGX	Franklin LifeSmart 2040 Ret Trgt R	7/1/13
[2756] FLREX	Franklin LifeSmart 2040 Ret Trgt R6	7/1/13
[2757] FLSHX	Franklin LifeSmart 2040 Ret TrgtAdv	7/1/13
[2758] FLADX.lw	Franklin LifeSmart™ 2040 Retire Trg A LW	7/1/13
[2759] GRNAX	Goldman Sachs Retirement Str 2040 A	9/5/07
[2760] GRNAX.lw	Goldman Sachs Retirement Str 2040 A LW	9/5/07
[2761] GRNIX	Goldman Sachs Retirement Str 2040 Instl	9/5/07
[2762] GRNTX	Goldman Sachs Retirement Str 2040 IR	11/30/07
[2763] GRNRX	Goldman Sachs Retirement Str 2040 R	11/30/07
[2764] GRNSX	Goldman Sachs Retirement Str 2040 Svc	9/5/07
[2765]	Goldman Sachs Target Date 2040 A	8/22/16
[2766] GTAMX.lw	Goldman Sachs Target Date 2040 A LW	8/22/16
[2767]	Goldman Sachs Target Date 2040 Instl	8/22/16
[2768]	Goldman Sachs Target Date 2040 Inv	8/22/16
[2769]	Goldman Sachs Target Date 2040 R	8/22/16
[2770]	Goldman Sachs Target Date 2040 R6	10/1/07
[2771]	Goldman Sachs Target Date 2040 R6{mg}	8/19/16
[2772]	Goldman Sachs Target Date 2040 Svc	8/22/16
[2773]	Great-West Lifetime 2040 L	4/28/16
[2774]	Great-West Lifetime Cnsrv 2040 Instl	4/28/16
[2775]	Great-West Lifetime Cnsrv 2040 Inv	4/29/16
[2776]	Great-West Lifetime Cnsrv 2040 Svc	4/28/16
[2777]	Great-West SecureFoundation® LT 2040 Inv	1/31/11
[2778]	Great-West SecureFoundation® LT 2040 L	1/31/11
[2779]	Great-West SecureFoundation® LT 2040 Svc	1/31/11
[2780]	Great-West SecureFoundation® LT 2040Inst	1/15/16

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[2781]	Harbor Target Retirement 2040 Admin	1/2/09
[2782]	Harbor Target Retirement 2040 Instl	1/2/09
[2783]	Harbor Target Retirement 2040 Inv	1/2/09
[2784] HTMRX	Hartford Target Retirement 2040 R3	11/3/08
[2785] HTMSX	Hartford Target Retirement 2040 R4	11/3/08
[2786] HTMTX	Hartford Target Retirement 2040 R5	11/3/08
[2787] HTMZS	Hartford Target Retirement 2040 Y	2/28/13
[2788]	Invesco Balanced-Risk Retire 2040 A	1/31/07
[2789] TNDAX.lw	Invesco Balanced-Risk Retire 2040 A LW	1/31/07
[2790]	Invesco Balanced-Risk Retire 2040 AX	6/1/10
[2791]	Invesco Balanced-Risk Retire 2040 B	1/31/07
[2792]	Invesco Balanced-Risk Retire 2040 C	1/31/07
[2793]	Invesco Balanced-Risk Retire 2040 CX	6/1/10
[2794]	Invesco Balanced-Risk Retire 2040 R	1/31/07
[2795]	Invesco Balanced-Risk Retire 2040 R5	1/31/07
[2796]	Invesco Balanced-Risk Retire 2040 R6	9/24/12
[2797]	Invesco Balanced-Risk Retire 2040 RX	6/1/10
[2798]	Invesco Balanced-Risk Retire 2040 Y	10/3/08
[2799]	Invesco Peak Retirement 2040 A	12/29/17
[2800]	Invesco Peak Retirement 2040 C	12/29/17
[2801]	Invesco Peak Retirement 2040 R	12/29/17
[2802]	Invesco Peak Retirement 2040 R5	12/29/17
[2803]	Invesco Peak Retirement 2040 R6	12/29/17
[2804]	Invesco Peak Retirement 2040 Y	12/29/17
[2805] JHBAX	JHancock 2040 Lifetime Blend Pft A	6/21/21
[2806] JRTTX	JHancock 2040 Lifetime Blend Ptf 1	11/7/13
[2807] JRTVX	JHancock 2040 Lifetime Blend Ptf R4	11/7/13
[2808] JRTWX	JHancock 2040 Lifetime Blend Ptf R6	11/7/13
[2809]	JHancock 2040 Presv Blend Ptf 1	4/30/10
[2810]	JHancock 2040 Presv Blend Ptf R2	9/4/12
[2811]	JHancock 2040 Presv Blend Ptf R4	5/1/12
[2812]	JHancock 2040 Presv Blend Ptf R6	9/4/12
[2813]	JHancock 2040 Prsrvtn Blend Pft I	10/22/21
[2814]	JHancock Multi-Index 2040 Presv A	6/24/15
[2815]	JHancock Multi-Index 2040 Presv I	6/24/15
[2816]	JHancock Multi-Index 2040 Presv R1	9/4/12
[2817]	JHancock Multi-Index 2040 Presv R3	6/21/16
[2818]	JHancock Multi-Index 2040 Presv R5	6/21/16
[2819]	JHancock Multi-Index 2040 PresvA	7/7/21
[2820] JLIOX	JHancock Multimanager 2040 Lifetime 1	10/30/06
[2821] JLIAX	JHancock Multimanager 2040 Lifetime A	10/30/06
[2822] JLIAX.lw	JHancock Multimanager 2040 Lifetime A LW	10/30/06
[2823] JHRDX	JHancock Multimanager 2040 Lifetime I	3/27/15
[2824]	JHancock Multimanager 2040 Lifetime R1	10/30/06
[2825] JLIEX	JHancock Multimanager 2040 Lifetime R2	3/1/12
[2826]	JHancock Multimanager 2040 Lifetime R3	10/30/06
[2827] JLIGX	JHancock Multimanager 2040 Lifetime R4	10/30/06
[2828] JLIHX	JHancock Multimanager 2040 Lifetime R5	10/30/06
[2829] JLIIX	JHancock Multimanager 2040 Lifetime R6	9/1/11
[2830]	JHancock Retire Living thru II 2040 R2	11/7/13
[2831] JLIBX	JHancock2 Lifecycle 2040 B	10/30/06
[2832] JLICX	JHancock2 Lifecycle 2040 C	10/30/06
[2833] JLIRX	JHancock2 Lifecycle 2040 R	10/30/06
[2834]	JHancock2 Lifecycle 2040 R2 (obs)	10/30/06
[2835] SMTAX	JPMorgan SmartRetirement® 2040 A	5/15/06
[2836] SMTAX.lw	JPMorgan SmartRetirement® 2040 A LW	5/15/06
[2837] SMTCX	JPMorgan SmartRetirement® 2040 C	5/15/06
[2838] SMTSX	JPMorgan SmartRetirement® 2040 I	5/15/06

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[2839] SMTZX	JPMorgan SmartRetirement® 2040 R2	11/3/08
[2840] SMTPX	JPMorgan SmartRetirement® 2040 R3	9/9/16
[2841] SMTQX	JPMorgan SmartRetirement® 2040 R4	9/9/16
[2842] SMTIX	JPMorgan SmartRetirement® 2040 R5	5/15/06
[2843] SMTYX	JPMorgan SmartRetirement® 2040 R6	11/3/14
[2844]	JPMorgan SmartRetirement® Blend 2040 A	7/2/12
[2845]	JPMorgan SmartRetirement® Blend 2040 C	7/2/12
[2846] JOBEX	JPMorgan SmartRetirement® Blend 2040 I	7/2/12
[2847] JOBRX	JPMorgan SmartRetirement® Blend 2040 R2	7/2/12
[2848] JNTEX	JPMorgan SmartRetirement® Blend 2040 R3	5/31/17
[2849] JNTNX	JPMorgan SmartRetirement® Blend 2040 R4	5/31/17
[2850] JOBBX	JPMorgan SmartRetirement® Blend 2040 R5	7/2/12
[2851] JOBYX	JPMorgan SmartRetirement® Blend 2040 R6	7/2/12
[2852]	KP Retirement Path 2040 Institutional	1/10/14
[2853]	Legal & General Retirement Inc 2040 Inst	12/20/20
[2854]	Legal & General Retirement Inc 2040 R6	12/22/23
[2855]	Legal & General Retirement Inc 2040 W	12/22/21
[2856]	MainStay Retirement 2040 A	6/29/07
[2857] MSRTX.lw	MainStay Retirement 2040 A Load Waived	6/29/07
[2858]	MainStay Retirement 2040 I	6/29/07
[2859]	MainStay Retirement 2040 Inv	2/28/08
[2860]	MainStay Retirement 2040 R1	8/21/14
[2861]	MainStay Retirement 2040 R2	1/8/09
[2862]	MainStay Retirement 2040 R3	5/1/08
[2863] MTTCX	Manning & Napier Target 2040 C	3/28/08
[2864]	Manning & Napier Target 2040 I	3/28/08
[2865]	Manning & Napier Target 2040 K	3/28/08
[2866]	Manning & Napier Target 2040 R	3/28/08
[2867]	Manning & Napier Target 2040 R6	10/16/17
[2868] MRFAX.lw	MassMutual RetireSMART 2040 A LW	12/31/03
[2869] MRFLX	MassMutual RetireSMART 2040 L	12/31/03
[2870] MRFAX	MassMutual RetireSMART by JPM 2040 A	12/31/03
[2871] MRFYX	MassMutual RetireSMART by JPM 2040 Adm	12/31/03
[2872] MRFUX	MassMutual RetireSMART by JPM 2040 I	4/1/14
[2873] MFRNX	MassMutual RetireSMART by JPM 2040 R3	12/31/03
[2874] MRFZX	MassMutual RetireSMART by JPM 2040 R4	4/1/14
[2875] MRFTX	MassMutual RetireSMART by JPM 2040 R5	4/1/14
[2876] MFRSX	MassMutual RetireSMART by JPM 2040 Svc	12/31/03
[2877] MMFOX	MassMutual Select TRP Retirement 2040 I	2/16/18
[2878] MMFRX	MassMutual Select TRP Retirement 2040 M3	2/16/18
[2879] MMFQX	MassMutual Select TRP Retirement 2040 M4	2/16/18
[2880] MMFPX	MassMutual Select TRP Retirement 2040 M5	2/16/18
[2881] MLFAX	MFS Lifetime 2040 A	9/29/05
[2882] MLFAX.lw	MFS Lifetime 2040 A Load Waived	9/29/05
[2883] MLFBX	MFS Lifetime 2040 B	9/29/05
[2884] MLFCX	MFS Lifetime 2040 C	9/29/05
[2885] MLFIX	MFS Lifetime 2040 I	9/29/05
[2886] MLFEX	MFS Lifetime 2040 R1	9/29/05
[2887]	MFS Lifetime 2040 R2	9/29/05
[2888] MLFGX	MFS Lifetime 2040 R2	9/29/05
[2889] MLFHX	MFS Lifetime 2040 R3	9/29/05
[2890] MLFJX	MFS Lifetime 2040 R4	9/29/05
[2891] MLFKX	MFS Lifetime 2040 R6	8/29/16
[2892] MURLX	MoA Clear Passage 2040 Fund	11/5/07
[2893] NWMAX	Nationwide Destination 2040 A	8/29/07
[2894] NWMAX.lw	Nationwide Destination 2040 A LW	8/29/07
[2895]	Nationwide Destination 2040 C	8/29/07
[2896] NWMSX	Nationwide Destination 2040 Instl Svc	8/29/07



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[2897]	NWMDX	Nationwide Destination 2040 R	8/29/07
[2898]		Nationwide Destination 2040 R1	8/29/07
[2899]	NWMHX	Nationwide Destination 2040 R6	8/29/07
[2900]	NSFHX	Natixis Target Retirement 2040 N	2/28/17
[2901]	TCZHX	Nuveen Lifecycle 2040 I	12/4/15
[2902]	TCZPX	Nuveen Lifecycle 2040 Premier	9/30/09
[2903]	TCOIX	Nuveen Lifecycle 2040 R6	1/17/07
[2904]	TCLOX	Nuveen Lifecycle 2040 Retirement	10/15/04
[2905]	TLZHX	Nuveen Lifecycle Index 2040 I	12/4/15
[2906]	TLPRX	Nuveen Lifecycle Index 2040 Premier	9/30/09
[2907]	TLZIX	Nuveen Lifecycle Index 2040 R6	9/30/09
[2908]	TLZRX	Nuveen Lifecycle Index 2040 Retire	9/30/09
[2909]	OTAMX	Old Mutual 2031-2040 Aggressive A	1/2/09
[2910]	OTAMX.lw	Old Mutual 2031-2040 Aggressive A LW	1/2/09
[2911]	OTAEX	Old Mutual 2031-2040 Aggressive Instl	3/3/08
[2912]		Old Mutual 2031-2040 Conservative A	1/2/09
[2913]		Old Mutual 2031-2040 Conservative A LW	1/2/09
[2914]	OTCLX	Old Mutual 2031-2040 Conservative Instl	3/3/08
[2915]	OTMKX	Old Mutual 2031-2040 Mod A	1/2/09
[2916]	OTMKX.lw	Old Mutual 2031-2040 Mod A Load Waived	1/2/09
[2917]	OTMEX	Old Mutual 2031-2040 Moderate Instl	3/3/08
[2918]	OTIAX	Oppenheimer Transition 2040 A	3/4/08
[2919]	OTIAX.lw	Oppenheimer Transition 2040 A LW	3/4/08
[2920]	OTIBX	Oppenheimer Transition 2040 B	3/4/08
[2921]	OTICX	Oppenheimer Transition 2040 C	3/4/08
[2922]	OTINX	Oppenheimer Transition 2040 N	3/4/08
[2923]	OTIYX	Oppenheimer Transition 2040 Y	3/4/08
[2924]	PWLLX	Payden/Wilshire Longevity 2040+	6/29/07
[2925]	PDHDX	PGIM Target Date 2040 R1	12/13/16
[2926]	PDHEX	PGIM Target Date 2040 R2	12/13/16
[2927]	PDHFX	PGIM Target Date 2040 R3	12/13/16
[2928]	PDHGX	PGIM Target Date 2040 R4	12/13/16
[2929]	PDHHX	PGIM Target Date 2040 R5	12/13/16
[2930]	PDHJX	PGIM Target Date 2040 R6	12/13/16
[2931]	PVPAX	PIMCO RealPath Blend 2040 A	12/31/14
[2932]	PVPAX.lw	PIMCO RealPath Blend 2040 A Load Waived	12/31/14
[2933]		PIMCO RealPath Blend 2040 Administrative	12/31/14
[2934]	PVPNX	PIMCO RealPath Blend 2040 Institutional	12/31/14
[2935]		PIMCO RealPath™ 2040 A	3/31/08
[2936]	POFAX.lw	PIMCO RealPath™ 2040 A Load Waived	3/31/08
[2937]		PIMCO RealPath™ 2040 Administrative	6/30/08
[2938]		PIMCO RealPath™ 2040 C	7/31/08
[2939]		PIMCO RealPath™ 2040 D	3/31/08
[2940]		PIMCO RealPath™ 2040 Institutional	3/31/08
[2941]		PIMCO RealPath™ 2040 P	10/31/11
[2942]		PIMCO RealPath™ 2040 R	7/31/08
[2943]		PNC Target 2040 I	9/28/12
[2944]		PNC Target 2040 T	4/28/15
[2945]		Presidential® Managed Risk 2040 A	11/2/11
[2946]		Presidential® Managed Risk 2040 A LW	11/2/11
[2947]		Presidential® Managed Risk 2040 C	11/2/11
[2948]		Presidential® Managed Risk 2040 I	11/2/11
[2949]	PTDAX	Principal LifeTime 2040 A	6/28/05
[2950]	PTDAX.lw	Principal LifeTime 2040 A Load Waived	6/28/05
[2951]	PTDBX	Principal LifeTime 2040 B	6/28/05
[2952]	PPTFX	Principal LifeTime 2040 C	1/16/07
[2953]	PTDIX	Principal LifeTime 2040 Institutional	3/1/01
[2954]	PTDJX	Principal LifeTime 2040 J	6/15/01

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[2955]	PYASX	Principal LifeTime 2040 R1	11/1/04
[2956]		Principal LifeTime 2040 R2	3/1/01
[2957]	PTDMX	Principal LifeTime 2040 R3	3/1/01
[2958]	PTDSX	Principal LifeTime 2040 R4	3/1/01
[2959]	PTDPX	Principal LifeTime 2040 R5	3/1/01
[2960]	PLTQX	Principal LifeTime Hybrid 2040 Instl	9/30/14
[2961]	PHJEX	Principal LifeTime Hybrid 2040 J	3/1/18
[2962]		Principal LifeTime Hybrid 2040 R-3	3/1/19
[2963]		Principal LifeTime Hybrid 2040 R-5	3/1/19
[2964]	PLMTX	Principal LifeTime Hybrid 2040 R6	8/24/15
[2965]	PCCLX	Putnam Retirement Advantage 2040 A	9/1/20
[2966]	PBBZX	Putnam Retirement Advantage 2040 C	9/1/20
[2967]	PBAOX	Putnam Retirement Advantage 2040 R	9/1/20
[2968]	PAGKX	Putnam Retirement Advantage 2040 R3	9/1/20
[2969]	PAGJX	Putnam Retirement Advantage 2040 R4	9/1/20
[2970]	PAGOX	Putnam Retirement Advantage 2040 R5	9/1/20
[2971]	PBAMX	Putnam Retirement Advantage 2040 R6	12/31/19
[2972]	PALZX	Putnam Retirement Advantage 2040 Y	9/1/20
[2973]	PRRZX.lw	Putnam RetirementReady 2040 A LW	11/1/04
[2974]		Putnam RetirementReady 2040 M	11/1/04
[2975]	PRRZX	Putnam Sustainable Retirement 2040 A	11/1/04
[2976]		Putnam Sustainable Retirement 2040 B	11/1/04
[2977]		Putnam Sustainable Retirement 2040 C	11/1/04
[2978]		Putnam Sustainable Retirement 2040 R	11/1/04
[2979]	PAAUX	Putnam Sustainable Retirement 2040 R3	1/4/21
[2980]	PAAYX	Putnam Sustainable Retirement 2040 R4	1/4/21
[2981]	PABTX	Putnam Sustainable Retirement 2040 R5	1/4/21
[2982]	PREHX	Putnam Sustainable Retirement 2040 R6	9/1/16
[2983]	PRZZX	Putnam Sustainable Retirement 2040 Y	11/1/04
[2984]	LMYAX.lw	QS Legg Mason Target Retirement 204 A LW	8/29/08
[2985]	LMYAX	QS Legg Mason Target Retirement 2040 A	8/29/08
[2986]	LMHCX	QS Legg Mason Target Retirement 2040 C	8/29/08
[2987]	LMYFX	QS Legg Mason Target Retirement 2040 FI	8/29/08
[2988]	LMNRX	QS Legg Mason Target Retirement 2040 I	8/29/08
[2989]	LMYSX	QS Legg Mason Target Retirement 2040 IS	8/29/08
[2990]	LMYRX	QS Legg Mason Target Retirement 2040 R	8/29/08
[2991]	RSRCX	RiverSource Retirement Plus 2040 R3	12/11/06
[2992]		RiverSource Retirement Plus 2040 R4	12/11/06
[2993]	RSPUX	RiverSource Retirement Plus 2040 R5	12/11/06
[2994]	RXLAX.lw	Russell Inv LifePoints 2040 Strateg A LW	8/31/05
[2995]		Russell Inv LifePoints 2040 Strategy A	8/31/05
[2996]		Russell Inv LifePoints 2040 Strategy E	12/31/04
[2997]		Russell Inv LifePoints 2040 Strategy R1	6/7/06
[2998]		Russell Inv LifePoints 2040 Strategy R4	3/16/06
[2999]		Russell Inv LifePoints 2040 Strategy R5	12/31/04
[3000]		Russell Inv LifePoints 2040 Strategy S	12/31/04
[3001]		Russell LifePoints 2040 Strategy R4 {mg}	10/1/14
[3002]		Russell LifePoints 2040 Strategy R5 {mg}	10/1/14
[3003]	SWERX	Schwab Target 2040	7/1/05
[3004]	SWYGX	Schwab Target 2040 Index	8/25/16
[3005]		Schwab Target 2040 Index Investor	8/25/16
[3006]	SPTNX	SP Funds 2040 Target Date Institutional	6/28/24
[3007]	SPTBX	SP Funds 2040 Target Date Investor	6/28/24
[3008]		State Farm LifePath 2040 A	5/1/06
[3009]	NLOAX.lw	State Farm LifePath 2040 A Load Waived	5/1/06
[3010]		State Farm LifePath 2040 B	5/1/06
[3011]		State Farm LifePath 2040 Inst	5/9/03
[3012]		State Farm LifePath 2040 Legacy B	5/9/03

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[3013]	State Farm LifePath 2040 Premier	5/9/03
[3014] SAUAX.lw	State Farm LifePath 2040 Premier LW	5/9/03
[3015]	State Farm LifePath 2040 R1	9/13/04
[3016]	State Farm LifePath 2040 R2	9/13/04
[3017]	State Farm LifePath 2040 R3	9/13/04
[3018]	State Street Target Retirement 2040 A	9/30/14
[3019] SSCLX.lw	State Street Target Retirement 2040 A LW	9/30/14
[3020]	State Street Target Retirement 2040 C	12/31/15
[3021] SSCNX	State Street Target Retirement 2040 I	9/30/14
[3022] SSCQX	State Street Target Retirement 2040 K	9/30/14
[3023] SSAKX	State Street Target Retirement 2040 R3	2/25/22
[3024] TRRDY	T. Rowe Price Retirement 2040	9/30/02
[3025] PARDX	T. Rowe Price Retirement 2040 Advisor	10/30/03
[3026] TRHDX	T. Rowe Price Retirement 2040 I	11/13/23
[3027] RRTDX	T. Rowe Price Retirement 2040 R	10/30/03
[3028] TRBLX	T. Rowe Price Retirement Blend 2040	7/26/21
[3029] TBLJX	T. Rowe Price Retirement Blend 2040 I	7/26/21
[3030]	T. Rowe Price Retirement I 2040 I	9/29/15
[3031] TRHRX	T. Rowe Price Target 2040	8/20/13
[3032] PAHHX	T. Rowe Price Target 2040 Advisor	8/20/13
[3033] TRRX	T. Rowe Price Target 2040 I	2/26/16
[3034] TCRTX	Transamerica ClearTrack® 2040 R1	3/2/15
[3035] TCTQX	Transamerica ClearTrack® 2040 R3	3/1/19
[3036] TCKTX	Transamerica ClearTrack® 2040 R6	3/2/15
[3037]	Van Kampen 2040 Retirement Strategy A	10/23/08
[3038]	Van Kampen 2040 Retirement Strategy A LW	10/23/08
[3039]	Van Kampen 2040 Retirement Strategy C	10/23/08
[3040]	Van Kampen 2040 Retirement Strategy I	10/23/08
[3041]	Van Kampen 2040 Retirement Strategy R	10/23/08
[3042]	Vanguard Instl Trgt Retire 2040 Instl	6/26/15
[3043] VFORX	Vanguard Target Retirement 2040 Fund	6/7/06
[3044]	Vantagepoint Milestone 2040 Inv M	1/3/05
[3045]	Vantagepoint Milestone 2040 TM	3/1/13
[3046] URFRX	Victory Target Retirement 2040	7/31/08
[3047] VTARX.lw	Virtus DFA 2040 Trgt Date Retire In A LW	1/11/16
[3048]	Virtus DFA 2040 Trgt Date Retire Inc A	1/11/16
[3049]	Virtus DFA 2040 Trgt Date Retire Inc I	1/11/16
[3050]	Virtus DFA 2040 Trgt Date Retire Inc R6	1/11/16
[3051]	Virtus DFA 2040 Trgt Date Retire Inc T	4/13/17
[3052] IDXX	Voya Index Solution 2040 Port ADV	10/3/11
[3053] IDXLX	Voya Index Solution 2040 Port I	10/3/11
[3054] IDXXM	Voya Index Solution 2040 Port S	10/3/11
[3055] IDXXN	Voya Index Solution 2040 Port S2	10/3/11
[3056]	Voya Index Solution 2040 Port T	10/3/11
[3057] VSZEX	Voya Index Solution 2040 Port Z	5/1/15
[3058] ISNKX	Voya Solution 2040 Port ADV	10/3/11
[3059] ISNLX	Voya Solution 2040 Port I	10/3/11
[3060] ISNMX	Voya Solution 2040 Port S	10/3/11
[3061] ISNNX	Voya Solution 2040 Port S2	10/3/11
[3062]	Voya Solution 2040 Port T	10/3/11
[3063] VTRJX	Voya Target Retirement 2040 A	12/21/15
[3064] VTRJX.lw	Voya Target Retirement 2040 A LW	12/21/15
[3065] IRSOX	Voya Target Retirement 2040 I	12/20/12
[3066] VRRKX	Voya Target Retirement 2040 R	6/1/18
[3067] VTRKX	Voya Target Retirement 2040 R6	12/21/15
[3068] WFFTX	Wells Fargo Advtg DJ Trgt 2040 Inv	1/31/07
[3069]	Wells Fargo Dow Jones Target 2040 B	3/3/97
[3070] WTDAX.lw	Wells Fargo Dynamic Target 2040 A LW	11/30/15

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[3071]	Wells Fargo Dynamic Target 2040 R	11/30/15
[3072] STFRX.lw	Wells Fargo Target 2040 A Load Waived	3/1/94
[3073]	XTF 2040+ ETF A	4/2/07
[3074]	XTF 2040+ ETF A Load Waived	4/2/07
[3075]	XTF 2040+ ETF C	4/2/07
[3076]	XTF 2040+ ETF I	4/2/07
[3077]	XTF 2040+ ETF R	4/2/07
[3078]	XTF ETF 2040+ I	5/1/07
[3079]	XTF ETF 2040+ II	5/1/07
[3080] TNOIX	1290 Retirement 2045 I	2/27/17
[3081]	AB 2045 Retirement Strategy A	9/1/05
[3082]	AB 2045 Retirement Strategy A LW	9/1/05
[3083]	AB 2045 Retirement Strategy Advisor	9/1/05
[3084]	AB 2045 Retirement Strategy B	9/1/05
[3085]	AB 2045 Retirement Strategy C	9/1/05
[3086]	AB 2045 Retirement Strategy I	9/1/05
[3087]	AB 2045 Retirement Strategy K	9/1/05
[3088]	AB 2045 Retirement Strategy R	9/1/05
[3089]	AB Multi-Manager Select 2045 A	12/15/14
[3090] TDNAX.lw	AB Multi-Manager Select 2045 A LW	12/15/14
[3091]	AB Multi-Manager Select 2045 Advisor	12/15/14
[3092]	AB Multi-Manager Select 2045 C	12/15/14
[3093]	AB Multi-Manager Select 2045 I	12/15/14
[3094]	AB Multi-Manager Select 2045 K	12/15/14
[3095]	AB Multi-Manager Select 2045 R	12/15/14
[3096]	AB Multi-Manager Select 2045 Z	12/15/14
[3097]	AllianzGI Retirement 2045 A	12/19/11
[3098] GBVAX.lw	AllianzGI Retirement 2045 A Load Waived	12/19/11
[3099]	AllianzGI Retirement 2045 Administrative	12/19/11
[3100]	AllianzGI Retirement 2045 P	12/19/11
[3101]	AllianzGI Retirement 2045 R	12/19/11
[3102]	AllianzGI Retirement 2045 R6	12/19/11
[3103]	Allspring Dynamic Target 2045 A	11/30/15
[3104]	Allspring Dynamic Target 2045 Admin	8/26/22
[3105]	Allspring Dynamic Target 2045 C	11/30/15
[3106]	Allspring Dynamic Target 2045 R4	11/30/15
[3107]	Allspring Dynamic Target 2045 R6	11/30/15
[3108]	Allspring Target 2045 A	11/30/12
[3109]	Allspring Target 2045 Admin	6/29/07
[3110]	Allspring Target 2045 R	6/28/13
[3111]	Allspring Target 2045 R4	11/30/12
[3112]	Allspring Target 2045 R6	6/29/07
[3113] AADKX	American Century One Chc Blnd+ 2045 A	3/10/21
[3114] AADJX	American Century One Chc Blnd+ 2045 I	3/10/21
[3115] AADHX	American Century One Chc Blnd+ 2045 Inv	3/10/21
[3116] AADLX	American Century One Chc Blnd+ 2045 R	3/10/21
[3117] AADMX	American Century One Chc Blnd+ 2045 R6	3/10/21
[3118] AROAX	American Century One Choice 2045 A	8/31/04
[3119] AROAX.lw	American Century One Choice 2045 A LW	8/31/04
[3120] AROCX	American Century One Choice 2045 C	3/1/10
[3121] AOOIX	American Century One Choice 2045 I	8/31/04
[3122] AROIX	American Century One Choice 2045 Inv	8/31/04
[3123] ARORX	American Century One Choice 2045 R	8/31/04
[3124] ARDOX	American Century One Choice 2045 R6	7/31/13
[3125]	American Century One Choice 2045 R6 new	7/31/17
[3126] AAHTX.lw	American Funds 2045 Trgt Date Retir A LW	2/1/07
[3127] AAHTX	American Funds 2045 Trgt Date Retire A	2/1/07
[3128]	American Funds 2045 Trgt Date Retire B	2/21/14

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[3129]	CCHTX	American Funds 2045 Trgt Date Retire C	2/21/14
[3130]	FATTX	American Funds 2045 Trgt Date Retire F1	2/21/14
[3131]	FBHTX	American Funds 2045 Trgt Date Retire F2	2/21/14
[3132]	FCHTX	American Funds 2045 Trgt Date Retire F3	1/27/17
[3133]	RAHTX	American Funds 2045 Trgt Date Retire R1	2/1/07
[3134]	RBHTX	American Funds 2045 Trgt Date Retire R2	2/1/07
[3135]	RBHHX	American Funds 2045 Trgt Date Retire R2E	8/29/14
[3136]	RCHTX	American Funds 2045 Trgt Date Retire R3	2/1/07
[3137]	RDHTX	American Funds 2045 Trgt Date Retire R4	2/1/07
[3138]	REHTX	American Funds 2045 Trgt Date Retire R5	2/1/07
[3139]	RHHTX	American Funds 2045 Trgt Date Retire R5E	11/20/15
[3140]	RFHTX	American Funds 2045 Trgt Date Retire R6	7/13/09
[3141]	LEHIX	BlackRock LifePath ESG Index 2045 Instl	8/18/20
[3142]	LEHAX	BlackRock LifePath ESG Index 2045 Inv A	8/18/20
[3143]	LEHKX	BlackRock LifePath ESG Index 2045 K	8/18/20
[3144]	LPHIX	BlackRock LifePath® Dyn 2045 Instl	6/30/10
[3145]	LPHAX.lw	BlackRock LifePath® Dyn 2045 Invest A LW	6/30/10
[3146]	LPHAX	BlackRock LifePath® Dyn 2045 Investor A	6/30/10
[3147]	LPHCX	BlackRock LifePath® Dyn 2045 Investor C	6/30/10
[3148]	LPHKX	BlackRock LifePath® Dyn 2045 K	6/30/10
[3149]	LPHRX	BlackRock LifePath® Dyn 2045 R	6/30/10
[3150]	LIHIX	BlackRock LifePath® Index 2045 Instl	5/31/11
[3151]	LIHAX	BlackRock LifePath® Index 2045 Inv A	5/31/11
[3152]	LIHPX	BlackRock LifePath® Index 2045 Inv P	8/6/18
[3153]	LIHKX	BlackRock LifePath® Index 2045 K	5/31/11
[3154]	BAPJX.lw	BlackRock LifePath® Smart Beta 2045 I LW	4/20/07
[3155]		BlackRock LifePath® Smart Beta 2045 Ins	11/27/12
[3156]		BlackRock LifePath® Smart Beta 2045 InvA	4/20/07
[3157]		BlackRock LifePath® Smart Beta 2045 K	4/20/07
[3158]		BlackRock LifePath® Smart Beta 2045 R	4/20/07
[3159]		BMO Target Retirement 2045 I	12/27/13
[3160]		BMO Target Retirement 2045 R3	12/27/13
[3161]		BMO Target Retirement 2045 R6	12/27/13
[3162]		BMO Target Retirement 2045 Y	12/27/13
[3163]		Columbia Adaptive Retirement 2045 Adv	4/4/18
[3164]		Columbia Adaptive Retirement 2045 Inst3	4/4/18
[3165]		Columbia Retirement Plus 2045 A	5/18/06
[3166]	COSAX.lw	Columbia Retirement Plus 2045 A LW	5/18/06
[3167]		Columbia Retirement Plus 2045 C	9/27/10
[3168]		Columbia Retirement Plus 2045 R	12/11/06
[3169]	RSNNX	Columbia Retirement Plus 2045 R4	12/11/06
[3170]	RRPYX	Columbia Retirement Plus 2045 Z	5/18/06
[3171]	DRIIX	Dimensional 2045 Target Dt Rtr Inc Instl	11/2/15
[3172]	MXWEX	Empower Lifetime 2045 Instl	5/1/15
[3173]	MXQLX	Empower Lifetime 2045 Inv	5/1/09
[3174]	MXRLX	Empower Lifetime 2045 Svc	5/1/09
[3175]	FFFZX	Fidelity Advisor Freedom 2045 A	6/1/06
[3176]	FFFJX	Fidelity Advisor Freedom 2045 C	6/1/06
[3177]	FFFIX	Fidelity Advisor Freedom 2045 I	6/1/06
[3178]	FCGLX	Fidelity Advisor Freedom 2045 K6	6/6/17
[3179]	FFFTX	Fidelity Advisor Freedom 2045 M	6/1/06
[3180]	FIJQX	Fidelity Advisor Freedom 2045 Z	10/2/18
[3181]	FHGFY	Fidelity Advisor Freedom Blend 2045 A	8/31/18
[3182]	FHDFX	Fidelity Advisor Freedom Blend 2045 C	8/31/18
[3183]	FHCFX	Fidelity Advisor Freedom Blend 2045 I	8/31/18
[3184]	FHEFX	Fidelity Advisor Freedom Blend 2045 M	8/31/18
[3185]	FHBFX	Fidelity Advisor Freedom Blend 2045 Z	8/31/18
[3186]		Fidelity Advisor Freedom Blend 2045 Z6	8/31/18



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[3187] FFFZX.lw	Fidelity Advisor Freedom® 2045 A LW	6/1/06
[3188]	Fidelity Advisor Freedom® 2045 B	6/1/06
[3189] FSYLX	Fidelity Advisor Sust Trgt Dt 2045 A	5/11/23
[3190] FSYOX	Fidelity Advisor Sust Trgt Dt 2045 C	5/11/23
[3191] FSYQX	Fidelity Advisor Sust Trgt Dt 2045 I	5/11/23
[3192] FSYPX	Fidelity Advisor Sust Trgt Dt 2045 M	5/11/23
[3193] FSYSX	Fidelity Advisor Sust Trgt Dt 2045 Z	5/11/23
[3194]	Fidelity Advisor Sust Trgt Dt 2045 Z6	5/11/23
[3195] FOLSX	Fidelity Flex Freedom Blend 2045	6/8/17
[3196] FFFGX	Fidelity Freedom 2045	6/1/06
[3197] FSNZX	Fidelity Freedom 2045 K	7/20/17
[3198] FJTKX	Fidelity Freedom 2045 K6	6/7/17
[3199] FHAQX	Fidelity Freedom Blend 2045	8/31/18
[3200] FHDX	Fidelity Freedom Blend 2045 K	8/31/18
[3201] FHFDX	Fidelity Freedom Blend 2045 K6	8/31/18
[3202] FFBUX	Fidelity Freedom Blnd 2045 Premier	4/6/21
[3203] FFOLX	Fidelity Freedom Index 2045 Instl Prem	6/24/15
[3204] FIOFX	Fidelity Freedom Index 2045 Investor	10/2/09
[3205] FQIPX	Fidelity Freedom Index 2045 Premier	6/24/20
[3206]	Fidelity Freedom K® 2045	7/2/09
[3207] FSYHX	Fidelity Sustainable Target Date 2045	5/11/23
[3208] FSYUX	Fidelity Sustainable Target Date 2045 K	5/11/23
[3209] FSYVX	Fidelity Sustainable Target Date 2045 K6	5/11/23
[3210]	Fidelity® Multi-Manager 2045	12/20/12
[3211]	Fidelity® Multi-Manager 2045 L	12/4/13
[3212]	Fidelity® Multi-Manager 2045 N	12/4/13
[3213] FTTAX	Franklin LifeSmart 2045 Ret Trgt A	8/1/06
[3214] FLRIX	Franklin LifeSmart 2045 Ret Trgt C	8/1/06
[3215] FLRJX	Franklin LifeSmart 2045 Ret Trgt R	8/1/06
[3216] FMLTX	Franklin LifeSmart 2045 Ret Trgt R6	5/1/13
[3217] FLRLX	Franklin LifeSmart 2045 Ret TrgtAdv	8/1/06
[3218] FTTAX.lw	Franklin LifeSmart™ 2045 Retire Trg A LW	8/1/06
[3219]	Goldman Sachs Target Date 2045 A	8/22/16
[3220] GTAQX.lw	Goldman Sachs Target Date 2045 A LW	8/22/16
[3221]	Goldman Sachs Target Date 2045 Instl	8/22/16
[3222]	Goldman Sachs Target Date 2045 Inv	8/22/16
[3223]	Goldman Sachs Target Date 2045 R	8/22/16
[3224]	Goldman Sachs Target Date 2045 R6	8/22/16
[3225]	Goldman Sachs Target Date 2045 Svc	8/22/16
[3226] MXVDX	Great-West Lifetime 2045 II Instl	5/1/15
[3227] MXYLX	Great-West Lifetime 2045 II L	4/7/11
[3228] MXOLX	Great-West Lifetime 2045 II T	5/1/09
[3229] MXPLX	Great-West Lifetime 2045 II T1	5/1/09
[3230]	Great-West Lifetime 2045 L	4/22/16
[3231]	Great-West Lifetime Cnsrv 2045 Instl	5/1/15
[3232]	Great-West Lifetime Cnsrv 2045 Inv	5/1/09
[3233]	Great-West Lifetime Cnsrv 2045 Svc	5/1/09
[3234]	Great-West SecureFoundation® LT 2045 Inv	11/13/09
[3235]	Great-West SecureFoundation® LT 2045 L	1/31/11
[3236]	Great-West SecureFoundation® LT 2045 Svc	11/13/09
[3237]	Great-West SecureFoundation® LT 2045Inst	1/15/16
[3238] GMFGX	GuideStone Funds MyDestination 2045 GS6	12/29/06
[3239] GMFWX	GuideStone Funds MyDestination 2045 GS8	12/29/06
[3240] GMFZX	GuideStone Funds MyDestination 2045 Inv	12/29/06
[3241] GMYXX	GuideStone Funds MyDestination 2045Instl	5/1/17
[3242]	Harbor Target Retirement 2045 Admin	1/2/09
[3243]	Harbor Target Retirement 2045 Instl	1/2/09
[3244]	Harbor Target Retirement 2045 Investor	1/2/09

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[3245]	HTNRX	Hartford Target Retirement 2045 R3	11/3/08
[3246]	HTNSX	Hartford Target Retirement 2045 R4	11/3/08
[3247]	HTNTX	Hartford Target Retirement 2045 R5	11/3/08
[3248]	HTNZX	Hartford Target Retirement 2045 Y	2/28/13
[3249]		Invesco Peak Retirement 2045 A	12/29/17
[3250]		Invesco Peak Retirement 2045 C	12/29/17
[3251]		Invesco Peak Retirement 2045 R	12/29/17
[3252]		Invesco Peak Retirement 2045 R5	12/29/17
[3253]		Invesco Peak Retirement 2045 R6	12/29/17
[3254]		Invesco Peak Retirement 2045 Y	12/29/17
[3255]	JHBEX	JHancock 2045 Lifetime Blend Pft A	6/21/21
[3256]	JRLQX	JHancock 2045 Lifetime Blend Ptf 1	11/7/13
[3257]	JRLUX	JHancock 2045 Lifetime Blend Ptf R4	11/7/13
[3258]	JRLVX	JHancock 2045 Lifetime Blend Ptf R6	11/7/13
[3259]		JHancock 2045 Presv Blend Ptf 1	4/30/10
[3260]		JHancock 2045 Presv Blend Ptf R2	9/4/12
[3261]		JHancock 2045 Presv Blend Ptf R4	5/1/12
[3262]		JHancock 2045 Presv Blend Ptf R6	9/4/12
[3263]		JHancock 2045 Prsrvtn Blend Pft I	10/22/21
[3264]		JHancock Multi-Index 2045 Presv A	6/24/15
[3265]		JHancock Multi-Index 2045 Presv I	6/24/15
[3266]		JHancock Multi-Index 2045 Presv R1	9/4/12
[3267]		JHancock Multi-Index 2045 Presv R3	6/21/16
[3268]		JHancock Multi-Index 2045 Presv R5	6/21/16
[3269]		JHancock Multi-Index 2045 Presv A	7/7/21
[3270]	JLJOX	JHancock Multimanager 2045 Lifetime 1	10/30/06
[3271]	JLJAX	JHancock Multimanager 2045 Lifetime A	10/30/06
[3272]	JLJAX.lw	JHancock Multimanager 2045 Lifetime A LW	10/30/06
[3273]	JHROX	JHancock Multimanager 2045 Lifetime I	3/27/15
[3274]		JHancock Multimanager 2045 Lifetime R1	10/30/06
[3275]	JLJEX	JHancock Multimanager 2045 Lifetime R2	3/1/12
[3276]		JHancock Multimanager 2045 Lifetime R3	10/30/06
[3277]	JLJGX	JHancock Multimanager 2045 Lifetime R4	10/30/06
[3278]	JLJHX	JHancock Multimanager 2045 Lifetime R5	10/30/06
[3279]	JLJIX	JHancock Multimanager 2045 Lifetime R6	9/1/11
[3280]		JHancock Retire Living thru II 2045 R2	11/7/13
[3281]	JLJBX	JHancock2 Lifecycle 2045 B	10/30/06
[3282]	JLJCX	JHancock2 Lifecycle 2045 C	10/30/06
[3283]	JLJRX	JHancock2 Lifecycle 2045 R	10/30/06
[3284]		JHancock2 Lifecycle 2045 R2 (obs)	10/30/06
[3285]	JSAAX	JPMorgan SmartRetirement® 2045 A	7/31/07
[3286]	JSAAX.lw	JPMorgan SmartRetirement® 2045 A LW	7/31/07
[3287]	JSACX	JPMorgan SmartRetirement® 2045 C	7/31/07
[3288]	JSASX	JPMorgan SmartRetirement® 2045 I	7/31/07
[3289]	JSAZX	JPMorgan SmartRetirement® 2045 R2	11/3/08
[3290]	JAPX	JPMorgan SmartRetirement® 2045 R3	9/9/16
[3291]	JSAQX	JPMorgan SmartRetirement® 2045 R4	9/9/16
[3292]	JSAIX	JPMorgan SmartRetirement® 2045 R5	7/31/07
[3293]	JSAYX	JPMorgan SmartRetirement® 2045 R6	11/3/14
[3294]		JPMorgan SmartRetirement® Blend 2045 A	7/2/12
[3295]		JPMorgan SmartRetirement® Blend 2045 C	7/2/12
[3296]	JMSSX	JPMorgan SmartRetirement® Blend 2045 I	7/2/12
[3297]	JNARX	JPMorgan SmartRetirement® Blend 2045 R2	7/2/12
[3298]	JNTOX	JPMorgan SmartRetirement® Blend 2045 R3	5/31/17
[3299]	JNTLX	JPMorgan SmartRetirement® Blend 2045 R4	5/31/17
[3300]	JMBRX	JPMorgan SmartRetirement® Blend 2045 R5	7/2/12
[3301]	JMYAX	JPMorgan SmartRetirement® Blend 2045 R6	7/2/12
[3302]		KP Retirement Path 2045 Institutional	1/10/14



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[3303] MTUCX	Manning & Napier Target 2045 C	6/25/12
[3304]	Manning & Napier Target 2045 I	6/25/12
[3305]	Manning & Napier Target 2045 K	6/25/12
[3306]	Manning & Napier Target 2045 R	6/25/12
[3307]	Manning & Napier Target 2045 R6	10/16/17
[3308] MMKAX.lw	MassMutual RetireSMART 2045 A LW	4/1/10
[3309] MMKLX	MassMutual RetireSMART 2045 L	4/1/10
[3310] MMKAX	MassMutual RetireSMART by JPM 2045 A	4/1/10
[3311] MMKYX	MassMutual RetireSMART by JPM 2045 Adm	4/1/10
[3312] MMKUX	MassMutual RetireSMART by JPM 2045 I	4/1/14
[3313] MMKNX	MassMutual RetireSMART by JPM 2045 R3	4/1/14
[3314] MMKZX	MassMutual RetireSMART by JPM 2045 R4	4/1/14
[3315] MMKTX	MassMutual RetireSMART by JPM 2045 R5	4/1/14
[3316] MMKSX	MassMutual RetireSMART by JPM 2045 Svc	4/1/10
[3317] MMFTX	MassMutual Select TRP Retirement 2045 I	2/16/18
[3318] MMFZX	MassMutual Select TRP Retirement 2045 M3	2/16/18
[3319] MMFWX	MassMutual Select TRP Retirement 2045 M4	2/16/18
[3320] MMFUX	MassMutual Select TRP Retirement 2045 M5	2/16/18
[3321] LTMAX	MFS Lifetime 2045 A	11/2/12
[3322] LTMAX.lw	MFS Lifetime 2045 A Load Waived	11/2/12
[3323] LTMBX	MFS Lifetime 2045 B	11/2/12
[3324] LTMDX	MFS Lifetime 2045 C	11/2/12
[3325] LTMKX	MFS Lifetime 2045 I	11/2/12
[3326] LTMRX	MFS Lifetime 2045 R1	11/2/12
[3327] LTMSX	MFS Lifetime 2045 R2	11/2/12
[3328] LTMTX	MFS Lifetime 2045 R3	11/2/12
[3329] LTMUX	MFS Lifetime 2045 R4	11/2/12
[3330] LTMLX	MFS Lifetime 2045 R6	8/29/16
[3331] MURMX	MoA Clear Passage 2045 Fund	11/5/07
[3332] NWNAX	Nationwide Destination 2045 A	8/29/07
[3333] NWNAX.lw	Nationwide Destination 2045 A LW	8/29/07
[3334]	Nationwide Destination 2045 C	8/29/07
[3335] NWNSX	Nationwide Destination 2045 Instl Svc	8/29/07
[3336] NWNBX	Nationwide Destination 2045 R	8/29/07
[3337]	Nationwide Destination 2045 R1	8/30/07
[3338] NWNIX	Nationwide Destination 2045 R6	8/29/07
[3339] NSFJX	Natixis Target Retirement 2045 N	2/28/17
[3340] TTFHX	Nuveen Lifecycle 2045 I	12/4/15
[3341] TTFPX	Nuveen Lifecycle 2045 Premier	9/30/09
[3342] TTFIX	Nuveen Lifecycle 2045 R6	11/30/07
[3343] TTFRX	Nuveen Lifecycle 2045 Retirement	11/30/07
[3344] TLMHX	Nuveen Lifecycle Index 2045 I	12/4/15
[3345] TLMPX	Nuveen Lifecycle Index 2045 Premier	9/30/09
[3346] TLXIX	Nuveen Lifecycle Index 2045 R6	9/30/09
[3347] TLMRX	Nuveen Lifecycle Index 2045 Retire	9/30/09
[3348] PDIDX	PGIM Target Date 2045 R1	12/13/16
[3349] PDIEX	PGIM Target Date 2045 R2	12/13/16
[3350] PDIKX	PGIM Target Date 2045 R3	12/13/16
[3351] PDIGX	PGIM Target Date 2045 R4	12/13/16
[3352] PDIHX	PGIM Target Date 2045 R5	12/13/16
[3353] PDIJX	PGIM Target Date 2045 R6	12/13/16
[3354] PVQAX	PIMCO RealPath Blend 2045 A	12/31/14
[3355] PVQAX.lw	PIMCO RealPath Blend 2045 A Load Waived	12/31/14
[3356]	PIMCO RealPath Blend 2045 Administrative	12/31/14
[3357] PVQNX	PIMCO RealPath Blend 2045 Institutional	12/31/14
[3358]	PIMCO RealPath™ 2045 A	2/29/12
[3359] PFZAX.lw	PIMCO RealPath™ 2045 A Load Waived	2/29/12
[3360]	PIMCO RealPath™ 2045 Administrative	2/29/12

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[3361]	PIMCO RealPath™ 2045 C	2/29/12
[3362]	PIMCO RealPath™ 2045 D	2/29/12
[3363]	PIMCO RealPath™ 2045 Institutional	2/29/12
[3364]	PIMCO RealPath™ 2045 P	2/29/12
[3365]	PIMCO RealPath™ 2045 R	2/29/12
[3366] LTRIX	Principal LifeTime 2045 Institutional	2/29/08
[3367] LTRGX	Principal LifeTime 2045 R1	2/29/08
[3368]	Principal LifeTime 2045 R2	2/29/08
[3369] LTRVX	Principal LifeTime 2045 R3	2/29/08
[3370] LTRLX	Principal LifeTime 2045 R4	2/29/08
[3371] LTRDX	Principal LifeTime 2045 R5	2/29/08
[3372] PHTYX	Principal LifeTime Hybrid 2045 Instl	9/30/14
[3373] PHJYX	Principal LifeTime Hybrid 2045 J	3/1/18
[3374]	Principal LifeTime Hybrid 2045 R-3	3/1/19
[3375]	Principal LifeTime Hybrid 2045 R-5	3/1/19
[3376] PLNTX	Principal LifeTime Hybrid 2045 R6	8/24/15
[3377] PALGX	Putnam Retirement Advantage 2045 A	9/1/20
[3378] PAFPX	Putnam Retirement Advantage 2045 C	9/1/20
[3379] PAFZX	Putnam Retirement Advantage 2045 R	9/1/20
[3380] PAGQX	Putnam Retirement Advantage 2045 R3	9/1/20
[3381] PAGUX	Putnam Retirement Advantage 2045 R4	9/1/20
[3382] PAGWX	Putnam Retirement Advantage 2045 R5	9/1/20
[3383] PAFMX	Putnam Retirement Advantage 2045 R6	12/31/19
[3384] PAFJX	Putnam Retirement Advantage 2045 Y	9/1/20
[3385] PRVLX.lw	Putnam RetirementReady 2045 A LW	11/1/04
[3386]	Putnam RetirementReady 2045 M	11/1/04
[3387] PRVLX	Putnam Sustainable Retirement 2045 A	11/1/04
[3388]	Putnam Sustainable Retirement 2045 B	11/1/04
[3389]	Putnam Sustainable Retirement 2045 C	11/1/04
[3390]	Putnam Sustainable Retirement 2045 R	11/1/04
[3391] PACGX	Putnam Sustainable Retirement 2045 R3	1/4/21
[3392] PACFX	Putnam Sustainable Retirement 2045 R4	1/4/21
[3393] PACHX	Putnam Sustainable Retirement 2045 R5	1/4/21
[3394] PREKX	Putnam Sustainable Retirement 2045 R6	9/1/16
[3395] PRVYX	Putnam Sustainable Retirement 2045 Y	11/1/04
[3396] LMKAX.lw	QS Legg Mason Target Retirement 204 A LW	8/29/08
[3397] LMKAX	QS Legg Mason Target Retirement 2045 A	8/29/08
[3398] LMKCX	QS Legg Mason Target Retirement 2045 C	8/29/08
[3399] LMKFX	QS Legg Mason Target Retirement 2045 FI	8/29/08
[3400] LMKIX	QS Legg Mason Target Retirement 2045 I	8/29/08
[3401] LMKSX	QS Legg Mason Target Retirement 2045 IS	8/29/08
[3402] LMKRX	QS Legg Mason Target Retirement 2045 R	8/29/08
[3403] RSRUX	RiverSource Retirement Plus 2045 R3	12/11/06
[3404] RSUPX	RiverSource Retirement Plus 2045 R5	12/11/06
[3405]	Russell Inv LifePoints 2045 Strategy R1	3/31/08
[3406]	Russell Inv LifePoints 2045 Strategy R4	3/31/08
[3407]	Russell Inv LifePoints 2045 Strategy R5	3/31/08
[3408]	Russell LifePoints 2045 Strategy R4 {mg}	10/1/14
[3409]	Russell LifePoints 2045 Strategy R5 {mg}	10/1/14
[3410] SWMRX	Schwab Target 2045	1/23/13
[3411] SWYHX	Schwab Target 2045 Index	8/25/16
[3412]	Schwab Target 2045 Index Investor	8/25/16
[3413]	Seligman TargETFund 2045 A	10/2/06
[3414]	Seligman TargETFund 2045 A Load Waived	10/2/06
[3415] STQCX	Seligman TargETFund 2045 C	10/2/06
[3416]	Seligman TargETFund 2045 D	10/2/06
[3417] STQRX	Seligman TargETFund 2045 R	10/2/06
[3418]	Seligman TargETFund 2045 R5	10/2/06

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[3419]	State Street Target Retirement 2045 A	9/30/14
[3420] SSCUX.lw	State Street Target Retirement 2045 A LW	9/30/14
[3421]	State Street Target Retirement 2045 C	12/31/15
[3422] SSDDX	State Street Target Retirement 2045 I	9/30/14
[3423] SSDEX	State Street Target Retirement 2045 K	9/30/14
[3424] SSAOX	State Street Target Retirement 2045 R3	2/25/22
[3425] TRRKX	T. Rowe Price Retirement 2045	5/31/05
[3426] PARLX	T. Rowe Price Retirement 2045 Advisor	5/31/07
[3427] TRIKX	T. Rowe Price Retirement 2045 I	11/13/23
[3428] RRTRX	T. Rowe Price Retirement 2045 R	5/31/07
[3429] TRBQX	T. Rowe Price Retirement Blend 2045	7/26/21
[3430] TBLKX	T. Rowe Price Retirement Blend 2045 I	7/26/21
[3431]	T. Rowe Price Retirement I 2045 I	9/29/15
[3432] RPTFX	T. Rowe Price Target 2045	8/20/13
[3433] PAFFX	T. Rowe Price Target 2045 Advisor	8/20/13
[3434] TRFWX	T. Rowe Price Target 2045 I	2/26/16
[3435] TCPTX	Transamerica ClearTrack® 2045 R1	3/2/15
[3436] TCTTX	Transamerica ClearTrack® 2045 R3	3/1/19
[3437] TCOTX	Transamerica ClearTrack® 2045 R6	3/2/15
[3438] VRHAX	Van Kampen 2045 Retirement Strategy A	10/23/08
[3439] VRHAX.lw	Van Kampen 2045 Retirement Strategy A LW	10/23/08
[3440] VRHCX	Van Kampen 2045 Retirement Strategy C	10/23/08
[3441] VRHIX	Van Kampen 2045 Retirement Strategy I	10/23/08
[3442] VRHRX	Van Kampen 2045 Retirement Strategy R	10/23/08
[3443]	Vanguard Instl Trgt Retire 2045 Instl	6/26/15
[3444] VTIVX	Vanguard Target Retirement 2045 Fund	10/27/03
[3445]	Vantagepoint Milestone 2045 Inv M	1/4/10
[3446]	Vantagepoint Milestone 2045 TM	3/1/13
[3447] VTATX.lw	Virtus DFA 2045 Trgt Date Retire In A LW	1/11/16
[3448]	Virtus DFA 2045 Trgt Date Retire Inc A	1/11/16
[3449]	Virtus DFA 2045 Trgt Date Retire Inc I	1/11/16
[3450]	Virtus DFA 2045 Trgt Date Retire Inc R6	1/11/16
[3451]	Virtus DFA 2045 Trgt Date Retire Inc T	4/13/17
[3452] ISJAX	Voya Index Solution 2045 Port ADV	3/10/08
[3453] ISJIX	Voya Index Solution 2045 Port I	3/10/08
[3454] ISJSX	Voya Index Solution 2045 Port S	3/10/08
[3455] ISVLX	Voya Index Solution 2045 Port S2	5/28/09
[3456]	Voya Index Solution 2045 Port T	3/10/08
[3457] VSZFX	Voya Index Solution 2045 Port Z	5/1/15
[3458] ISRAX	Voya Solution 2045 Port ADV	4/29/05
[3459] ISRIX	Voya Solution 2045 Port I	4/29/05
[3460] ISRSX	Voya Solution 2045 Port S	4/29/05
[3461] ISPDX	Voya Solution 2045 Port S2	5/28/09
[3462]	Voya Solution 2045 Port T	8/31/05
[3463] VTRMX	Voya Target Retirement 2045 A	12/21/15
[3464] VTRMX.lw	Voya Target Retirement 2045 A LW	12/21/15
[3465] IRSPX	Voya Target Retirement 2045 I	12/20/12
[3466] VRRLX	Voya Target Retirement 2045 R	6/1/18
[3467] VTRNX	Voya Target Retirement 2045 R6	12/21/15
[3468] WFQSX	Wells Fargo Advtg DJ Trgt 2045 Inv	6/29/07
[3469] WTDGX.lw	Wells Fargo Dynamic Target 2045 A LW	11/30/15
[3470]	Wells Fargo Dynamic Target 2045 R	11/30/15
[3471] WFQVX.lw	Wells Fargo Target 2045 A Load Waived	11/30/12
[3472] TNWIX	1290 Retirement 2050 I	2/27/17
[3473]	AB 2050 Retirement Strategy A	6/29/07
[3474]	AB 2050 Retirement Strategy A LW	6/29/07
[3475]	AB 2050 Retirement Strategy Advisor	6/29/07
[3476]	AB 2050 Retirement Strategy B	6/29/07

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[3477]	AB 2050 Retirement Strategy C	6/29/07
[3478]	AB 2050 Retirement Strategy I	6/29/07
[3479]	AB 2050 Retirement Strategy K	6/29/07
[3480]	AB 2050 Retirement Strategy R	6/29/07
[3481]	AB Multi-Manager Select 2050 A	12/15/14
[3482] TDLAX.lw	AB Multi-Manager Select 2050 A LW	12/15/14
[3483]	AB Multi-Manager Select 2050 Advisor	12/15/14
[3484]	AB Multi-Manager Select 2050 C	12/15/14
[3485]	AB Multi-Manager Select 2050 I	12/15/14
[3486]	AB Multi-Manager Select 2050 K	12/15/14
[3487]	AB Multi-Manager Select 2050 R	12/15/14
[3488]	AB Multi-Manager Select 2050 Z	12/15/14
[3489]	AllianzGI Retirement 2050 A	12/29/08
[3490] ASNAX.lw	AllianzGI Retirement 2050 A Load Waived	12/29/08
[3491]	AllianzGI Retirement 2050 Administrative	12/29/08
[3492]	AllianzGI Retirement 2050 C	12/29/08
[3493]	AllianzGI Retirement 2050 D	12/29/08
[3494]	AllianzGI Retirement 2050 P	12/29/08
[3495]	AllianzGI Retirement 2050 R	12/29/08
[3496]	AllianzGI Retirement 2050 R6	12/29/08
[3497]	Allspring Dynamic Target 2050 A	11/30/15
[3498]	Allspring Dynamic Target 2050 Admin	8/26/22
[3499]	Allspring Dynamic Target 2050 C	11/30/15
[3500]	Allspring Dynamic Target 2050 R4	11/30/15
[3501]	Allspring Dynamic Target 2050 R6	11/30/15
[3502]	Allspring Target 2050 A	11/30/12
[3503]	Allspring Target 2050 Admin	6/29/07
[3504]	Allspring Target 2050 C	11/30/12
[3505]	Allspring Target 2050 R	6/28/13
[3506]	Allspring Target 2050 R4	11/30/12
[3507]	Allspring Target 2050 R6	6/29/07
[3508] AADPX	American Century One Chc Blnd+ 2050 A	3/10/21
[3509] AADOX	American Century One Chc Blnd+ 2050 I	3/10/21
[3510] AADNX	American Century One Chc Blnd+ 2050 Inv	3/10/21
[3511] AADQX	American Century One Chc Blnd+ 2050 R	3/10/21
[3512] AADUX	American Century One Chc Blnd+ 2050 R6	3/10/21
[3513] ARFMX	American Century One Choice 2050 A	5/30/08
[3514] ARFMX.lw	American Century One Choice 2050 A LW	5/30/08
[3515] ARFDX	American Century One Choice 2050 C	3/1/10
[3516] ARFSX	American Century One Choice 2050 I	5/30/08
[3517] ARFVX	American Century One Choice 2050 Inv	5/30/08
[3518] ARFWX	American Century One Choice 2050 R	5/30/08
[3519] ARFEX	American Century One Choice 2050 R6	7/31/13
[3520]	American Century One Choice 2050 R6 new	7/31/17
[3521] AALTX.lw	American Funds 2050 Trgt Date Retir A LW	2/1/07
[3522] AALTX	American Funds 2050 Trgt Date Retire A	2/1/07
[3523]	American Funds 2050 Trgt Date Retire B	2/21/14
[3524] CCITX	American Funds 2050 Trgt Date Retire C	2/21/14
[3525] FAITX	American Funds 2050 Trgt Date Retire F1	2/21/14
[3526] FBITX	American Funds 2050 Trgt Date Retire F2	2/21/14
[3527] DITFX	American Funds 2050 Trgt Date Retire F3	1/27/17
[3528] RAITX	American Funds 2050 Trgt Date Retire R1	2/1/07
[3529] RBITX	American Funds 2050 Trgt Date Retire R2	2/1/07
[3530] RBHEX	American Funds 2050 Trgt Date Retire R2E	8/29/14
[3531] RCITX	American Funds 2050 Trgt Date Retire R3	2/1/07
[3532] RDITX	American Funds 2050 Trgt Date Retire R4	2/1/07
[3533] REITX	American Funds 2050 Trgt Date Retire R5	2/1/07
[3534] RHITX	American Funds 2050 Trgt Date Retire R5E	11/20/15

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[3535] RFITX	American Funds 2050 Trgt Date Retire R6	7/13/09
[3536] NEFAX	American Indep NestEgg 2050 A	9/28/10
[3537] NEFAX.lw	American Indep NestEgg 2050 A LW	9/28/10
[3538] NEFTX	American Indep NestEgg 2050 I	5/7/10
[3539] LEGIX	BlackRock LifePath ESG Index 2050 Instl	8/18/20
[3540] LEBAX	BlackRock LifePath ESG Index 2050 Inv A	8/18/20
[3541] LEPKX	BlackRock LifePath ESG Index 2050 K	8/18/20
[3542] STLFX	BlackRock LifePath® Dyn 2050 Instl	6/30/08
[3543] LPRFX.lw	BlackRock LifePath® Dyn 2050 Invest A LW	6/30/08
[3544] LPRFX	BlackRock LifePath® Dyn 2050 Investor A	6/30/08
[3545] LPCPX	BlackRock LifePath® Dyn 2050 Investor C	5/3/10
[3546] LPSGX	BlackRock LifePath® Dyn 2050 K	6/30/08
[3547] LPRPX	BlackRock LifePath® Dyn 2050 R	5/3/10
[3548] LIPIX	BlackRock LifePath® Index 2050 Instl	5/31/11
[3549] LIPAX	BlackRock LifePath® Index 2050 Inv A	5/31/11
[3550] LIPPX	BlackRock LifePath® Index 2050 Inv P	8/6/18
[3551] LIPKX	BlackRock LifePath® Index 2050 K	5/31/11
[3552] BAPKX.lw	BlackRock LifePath® Smart Beta 2050 I LW	4/20/07
[3553]	BlackRock LifePath® Smart Beta 2050 Ins	11/27/12
[3554]	BlackRock LifePath® Smart Beta 2050 InvA	4/20/07
[3555]	BlackRock LifePath® Smart Beta 2050 K	4/20/07
[3556]	BlackRock LifePath® Smart Beta 2050 R	4/20/07
[3557]	BMO Target Retirement 2050 I	8/30/13
[3558]	BMO Target Retirement 2050 R3	8/30/13
[3559]	BMO Target Retirement 2050 R6	8/30/13
[3560]	BMO Target Retirement 2050 Y	8/30/13
[3561]	Columbia Adaptive Retirement 2050 Adv	10/24/17
[3562]	Columbia Adaptive Retirement 2050 Inst3	10/24/17
[3563] DRIJX	Dimensional 2050 Target Dt Rtr Inc Instl	11/2/15
[3564] MXBSX	Empower Lifetime 2050 Instl	4/28/16
[3565] MXBOX	Empower Lifetime 2050 Inv	4/29/16
[3566] MXBQX	Empower Lifetime 2050 Svc	4/28/16
[3567] FFLX	Fidelity Advisor Freedom 2050 A	6/1/06
[3568] FFFYX	Fidelity Advisor Freedom 2050 C	6/1/06
[3569] FFFPX	Fidelity Advisor Freedom 2050 I	6/1/06
[3570] FVGLX	Fidelity Advisor Freedom 2050 K6	6/6/17
[3571] FFFQX	Fidelity Advisor Freedom 2050 M	6/1/06
[3572] FIJRX	Fidelity Advisor Freedom 2050 Z	10/2/18
[3573] FHJKX	Fidelity Advisor Freedom Blend 2050 A	8/31/18
[3574] FHSEX	Fidelity Advisor Freedom Blend 2050 C	8/31/18
[3575] FHWEX	Fidelity Advisor Freedom Blend 2050 I	8/31/18
[3576] FHYEX	Fidelity Advisor Freedom Blend 2050 M	8/31/18
[3577] FHVEX	Fidelity Advisor Freedom Blend 2050 Z	8/31/18
[3578]	Fidelity Advisor Freedom Blend 2050 Z6	8/31/18
[3579] FFFLX.lw	Fidelity Advisor Freedom® 2050 A LW	6/1/06
[3580]	Fidelity Advisor Freedom® 2050 B	6/1/06
[3581] FSYYX	Fidelity Advisor Sust Trgt Dt 2050 A	5/11/23
[3582] FSYZX	Fidelity Advisor Sust Trgt Dt 2050 C	5/11/23
[3583] FSZBX	Fidelity Advisor Sust Trgt Dt 2050 I	5/11/23
[3584] FSZAX	Fidelity Advisor Sust Trgt Dt 2050 M	5/11/23
[3585] FSZCX	Fidelity Advisor Sust Trgt Dt 2050 Z	5/11/23
[3586]	Fidelity Advisor Sust Trgt Dt 2050 Z6	5/11/23
[3587] FYLSX	Fidelity Flex Freedom Blend 2050	6/8/17
[3588] FFFHX	Fidelity Freedom 2050	6/1/06
[3589] FNSBX	Fidelity Freedom 2050 K	7/20/17
[3590] FZTKX	Fidelity Freedom 2050 K6	6/7/17
[3591] FHAPX	Fidelity Freedom Blend 2050	8/31/18
[3592] FHWDX	Fidelity Freedom Blend 2050 K	8/31/18



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[3593]	FHEDX	Fidelity Freedom Blend 2050 K6	8/31/18
[3594]	FFBWX	Fidelity Freedom Blnd 2050 Premier	4/6/21
[3595]	FFOPX	Fidelity Freedom Index 2050 Instl Prem	6/24/15
[3596]	FIPFX	Fidelity Freedom Index 2050 Investor	10/2/09
[3597]	FRLPX	Fidelity Freedom Index 2050 Premier	6/24/20
[3598]		Fidelity Freedom K® 2050	7/2/09
[3599]	FSYWX	Fidelity Sustainable Target Date 2050	5/11/23
[3600]	FSZFX	Fidelity Sustainable Target Date 2050 K	5/11/23
[3601]	FSZGX	Fidelity Sustainable Target Date 2050 K6	5/11/23
[3602]		Fidelity® Multi-Manager 2050	12/20/12
[3603]		Fidelity® Multi-Manager 2050 L	12/4/13
[3604]		Fidelity® Multi-Manager 2050 N	12/4/13
[3605]	FLSJX	Franklin LifeSmart 2050 Ret Trgt A	7/1/13
[3606]	FLSKX	Franklin LifeSmart 2050 Ret Trgt C	7/1/13
[3607]	FLSNX	Franklin LifeSmart 2050 Ret Trgt R	7/1/13
[3608]	FRLEX	Franklin LifeSmart 2050 Ret Trgt R6	7/1/13
[3609]	FLSOX	Franklin LifeSmart 2050 Ret TrgtAdv	7/1/13
[3610]	FLSJX.lw	Franklin LifeSmart™ 2050 Retire Trg A LW	7/1/13
[3611]	GRPAX	Goldman Sachs Retirement Str 2050 A	9/5/07
[3612]	GRPAX.lw	Goldman Sachs Retirement Str 2050 A LW	9/5/07
[3613]	GRPIX	Goldman Sachs Retirement Str 2050 Instl	9/5/07
[3614]	GRPTX	Goldman Sachs Retirement Str 2050 IR	11/30/07
[3615]	GRPRX	Goldman Sachs Retirement Str 2050 R	11/30/07
[3616]	GRPSX	Goldman Sachs Retirement Str 2050 Svc	9/5/07
[3617]		Goldman Sachs Target Date 2050 A	8/22/16
[3618]	GTASX.lw	Goldman Sachs Target Date 2050 A LW	8/22/16
[3619]		Goldman Sachs Target Date 2050 Instl	8/22/16
[3620]		Goldman Sachs Target Date 2050 Inv	8/22/16
[3621]		Goldman Sachs Target Date 2050 R	8/22/16
[3622]		Goldman Sachs Target Date 2050 R6	1/3/11
[3623]		Goldman Sachs Target Date 2050 R6{mg}	8/19/16
[3624]		Goldman Sachs Target Date 2050 Svc	8/22/16
[3625]		Great-West Lifetime 2050 L	4/28/16
[3626]		Great-West Lifetime Cnsrv 2050 Instl	4/28/16
[3627]		Great-West Lifetime Cnsrv 2050 Inv	4/29/16
[3628]		Great-West Lifetime Cnsrv 2050 Svc	4/28/16
[3629]		Great-West SecureFoundation® LT 2050 Inv	1/31/11
[3630]		Great-West SecureFoundation® LT 2050 L	1/31/11
[3631]		Great-West SecureFoundation® LT 2050 Svc	1/31/11
[3632]		Great-West SecureFoundation® LT 2050Inst	1/15/16
[3633]		Harbor Target Retirement 2050 Admin	1/2/09
[3634]		Harbor Target Retirement 2050 Instl	1/2/09
[3635]		Harbor Target Retirement 2050 Inv	1/2/09
[3636]	HTPRX	Hartford Target Retirement 2050 R3	11/3/08
[3637]	HTPSX	Hartford Target Retirement 2050 R4	11/3/08
[3638]	HTPTX	Hartford Target Retirement 2050 R5	11/3/08
[3639]	HTPYX	Hartford Target Retirement 2050 Y	2/28/13
[3640]		Invesco Balanced-Risk Retire 2050 A	1/31/07
[3641]	TNEAX.lw	Invesco Balanced-Risk Retire 2050 A LW	1/31/07
[3642]		Invesco Balanced-Risk Retire 2050 AX	6/1/10
[3643]		Invesco Balanced-Risk Retire 2050 B	1/31/07
[3644]		Invesco Balanced-Risk Retire 2050 C	1/31/07
[3645]		Invesco Balanced-Risk Retire 2050 CX	6/1/10
[3646]		Invesco Balanced-Risk Retire 2050 R	1/31/07
[3647]		Invesco Balanced-Risk Retire 2050 R5	1/31/07
[3648]		Invesco Balanced-Risk Retire 2050 R6	9/24/12
[3649]		Invesco Balanced-Risk Retire 2050 RX	6/1/10
[3650]		Invesco Balanced-Risk Retire 2050 Y	10/3/08

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[3651]	Invesco Peak Retirement 2050 A	12/29/17
[3652]	Invesco Peak Retirement 2050 C	12/29/17
[3653]	Invesco Peak Retirement 2050 R	12/29/17
[3654]	Invesco Peak Retirement 2050 R5	12/29/17
[3655]	Invesco Peak Retirement 2050 R6	12/29/17
[3656]	Invesco Peak Retirement 2050 Y	12/29/17
[3657] JHBFX	JHancock 2050 Lifetime Blend Pft A	6/21/21
[3658] JRLWX	JHancock 2050 Lifetime Blend Pft 1	11/7/13
[3659] JRTYX	JHancock 2050 Lifetime Blend Pft R4	11/7/13
[3660] JRLZX	JHancock 2050 Lifetime Blend Pft R6	11/7/13
[3661]	JHancock 2050 Presv Blend Pft 1	4/29/11
[3662]	JHancock 2050 Presv Blend Pft R2	9/4/12
[3663]	JHancock 2050 Presv Blend Pft R4	5/1/12
[3664]	JHancock 2050 Presv Blend Pft R6	9/4/12
[3665]	JHancock 2050 Prsrvtn Blend Pft I	10/22/21
[3666]	JHancock Multi-Index 2050 Presv A	6/24/15
[3667]	JHancock Multi-Index 2050 Presv I	6/21/16
[3668]	JHancock Multi-Index 2050 Presv R1	9/4/12
[3669]	JHancock Multi-Index 2050 Presv R3	6/21/16
[3670]	JHancock Multi-Index 2050 Presv R5	6/24/15
[3671]	JHancock Multi-Index 2050 PresvA	7/7/21
[3672] JLKOX	JHancock Multimanager 2050 Lifetime 1	4/29/11
[3673] JLKAX	JHancock Multimanager 2050 Lifetime A	3/1/12
[3674] JLKAX.lw	JHancock Multimanager 2050 Lifetime A LW	3/1/12
[3675] JHRPX	JHancock Multimanager 2050 Lifetime I	3/27/15
[3676]	JHancock Multimanager 2050 Lifetime R1	3/1/12
[3677] JLKEX	JHancock Multimanager 2050 Lifetime R2	3/1/12
[3678]	JHancock Multimanager 2050 Lifetime R3	3/1/12
[3679] JLKGX	JHancock Multimanager 2050 Lifetime R4	3/1/12
[3680] JLKHX	JHancock Multimanager 2050 Lifetime R5	3/1/12
[3681] JLKRX	JHancock Multimanager 2050 Lifetime R6	3/1/12
[3682]	JHancock Retire Living thru II 2050 R2	11/7/13
[3683] JTSAX	JPMorgan SmartRetirement® 2050 A	7/31/07
[3684] JTSAX.lw	JPMorgan SmartRetirement® 2050 A LW	7/31/07
[3685] JTSCX	JPMorgan SmartRetirement® 2050 C	7/31/07
[3686] JTSSX	JPMorgan SmartRetirement® 2050 I	7/31/07
[3687] JTSZX	JPMorgan SmartRetirement® 2050 R2	11/3/08
[3688] JTSPX	JPMorgan SmartRetirement® 2050 R3	9/9/16
[3689] JTSQX	JPMorgan SmartRetirement® 2050 R4	9/9/16
[3690] JTSIX	JPMorgan SmartRetirement® 2050 R5	7/31/07
[3691] JTSYX	JPMorgan SmartRetirement® 2050 R6	11/3/14
[3692]	JPMorgan SmartRetirement® Blend 2050 A	7/2/12
[3693]	JPMorgan SmartRetirement® Blend 2050 C	7/2/12
[3694] JNEAX	JPMorgan SmartRetirement® Blend 2050 I	7/2/12
[3695] JNNRX	JPMorgan SmartRetirement® Blend 2050 R2	7/2/12
[3696] JNTKX	JPMorgan SmartRetirement® Blend 2050 R3	5/31/17
[3697] JNTPX	JPMorgan SmartRetirement® Blend 2050 R4	5/31/17
[3698] JNABX	JPMorgan SmartRetirement® Blend 2050 R5	7/2/12
[3699] JNYAX	JPMorgan SmartRetirement® Blend 2050 R6	7/2/12
[3700]	KP Retirement Path 2050 Institutional	1/10/14
[3701]	MainStay Retirement 2050 A	6/29/07
[3702] MSRLX.lw	MainStay Retirement 2050 A Load Waived	6/29/07
[3703]	MainStay Retirement 2050 I	6/29/07
[3704]	MainStay Retirement 2050 Inv	2/28/08
[3705]	MainStay Retirement 2050 R1	8/21/14
[3706]	MainStay Retirement 2050 R2	1/8/09
[3707]	MainStay Retirement 2050 R3	5/1/08
[3708] MTYCX	Manning & Napier Target 2050 C	3/28/08



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[3709]	Manning & Napier Target 2050 I	3/28/08
[3710]	Manning & Napier Target 2050 K	3/28/08
[3711]	Manning & Napier Target 2050 R	3/28/08
[3712]	Manning & Napier Target 2050 R6	10/16/17
[3713] MMARX.lw	MassMutual RetireSMART 2050 A LW	12/17/07
[3714] MMRLX	MassMutual RetireSMART 2050 L	12/17/07
[3715] MMARX	MassMutual RetireSMART by JPM 2050 A	12/17/07
[3716] MMRYX	MassMutual RetireSMART by JPM 2050 Adm	12/17/07
[3717] MMRUX	MassMutual RetireSMART by JPM 2050 I	4/1/14
[3718] MMRNX	MassMutual RetireSMART by JPM 2050 R3	12/17/07
[3719] MMRZX	MassMutual RetireSMART by JPM 2050 R4	4/1/14
[3720] MMRTX	MassMutual RetireSMART by JPM 2050 R5	4/1/14
[3721] MMTSX	MassMutual RetireSMART by JPM 2050 Svc	12/17/07
[3722] MMDDX	MassMutual Select TRP Retirement 2050 I	2/16/18
[3723] MMDHX	MassMutual Select TRP Retirement 2050 M3	2/16/18
[3724] MMDGX	MassMutual Select TRP Retirement 2050 M4	2/16/18
[3725] MMDFX	MassMutual Select TRP Retirement 2050 M5	2/16/18
[3726] MFFSX	MFS Lifetime 2050 A	9/15/10
[3727] MFFSX.lw	MFS Lifetime 2050 A Load Waived	9/15/10
[3728] MFFRX	MFS Lifetime 2050 B	9/15/10
[3729] MFFDX	MFS Lifetime 2050 C	9/15/10
[3730] MFFIX	MFS Lifetime 2050 I	9/15/10
[3731] MFFMX	MFS Lifetime 2050 R1	9/15/10
[3732] MFFNX	MFS Lifetime 2050 R2	9/15/10
[3733] MFFOX	MFS Lifetime 2050 R3	9/15/10
[3734] MFFPX	MFS Lifetime 2050 R4	9/15/10
[3735] MFFKX	MFS Lifetime 2050 R6	8/29/16
[3736] MURNX	MoA Clear Passage 2050 Fund	10/1/12
[3737] NWOAX	Nationwide Destination 2050 A	8/29/07
[3738] NWOAX.lw	Nationwide Destination 2050 A LW	8/29/07
[3739]	Nationwide Destination 2050 C	8/29/07
[3740] NWOSX	Nationwide Destination 2050 Instl Svc	8/29/07
[3741] NWOBX	Nationwide Destination 2050 R	8/29/07
[3742]	Nationwide Destination 2050 R1	8/30/07
[3743] NWOIX	Nationwide Destination 2050 R6	8/29/07
[3744] NSFKX	Natixis Target Retirement 2050 N	2/28/17
[3745] TFTHX	Nuveen Lifecycle 2050 I	12/4/15
[3746] TCLPX	Nuveen Lifecycle 2050 Premier	9/30/09
[3747] TFTIX	Nuveen Lifecycle 2050 R6	11/30/07
[3748] TLFrx	Nuveen Lifecycle 2050 Retirement	11/30/07
[3749] TLLHX	Nuveen Lifecycle Index 2050 I	12/4/15
[3750] TLLPX	Nuveen Lifecycle Index 2050 Premier	9/30/09
[3751] TLLIX	Nuveen Lifecycle Index 2050 R6	9/30/09
[3752] TLLRX	Nuveen Lifecycle Index 2050 Retire	9/30/09
[3753] OTKAX	Oppenheimer Transition 2050 A	3/4/08
[3754] OTKAX.lw	Oppenheimer Transition 2050 A LW	3/4/08
[3755] OTKBX	Oppenheimer Transition 2050 B	3/4/08
[3756] OTKcx	Oppenheimer Transition 2050 C	3/4/08
[3757] OTKNX	Oppenheimer Transition 2050 N	3/4/08
[3758] OTKYX	Oppenheimer Transition 2050 Y	3/4/08
[3759] PDJDX	PGIM Target Date 2050 R1	12/13/16
[3760] PDJEX	PGIM Target Date 2050 R2	12/13/16
[3761] PDJFX	PGIM Target Date 2050 R3	12/13/16
[3762] PDJGX	PGIM Target Date 2050 R4	12/13/16
[3763] PDJHX	PGIM Target Date 2050 R5	12/13/16
[3764] PDJJX	PGIM Target Date 2050 R6	12/13/16
[3765] PPQAX	PIMCO RealPath Blend 2050 A	12/31/14
[3766] PPQAX.lw	PIMCO RealPath Blend 2050 A Load Waived	12/31/14

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[3767]	PIMCO RealPath Blend 2050 Administrative	12/31/14
[3768] PPQZX	PIMCO RealPath Blend 2050 Institutional	12/31/14
[3769]	PIMCO RealPath™ 2050 A	3/31/08
[3770] PFYAX.lw	PIMCO RealPath™ 2050 A Load Waived	3/31/08
[3771]	PIMCO RealPath™ 2050 Administrative	6/30/08
[3772]	PIMCO RealPath™ 2050 C	7/31/08
[3773]	PIMCO RealPath™ 2050 D	3/31/08
[3774]	PIMCO RealPath™ 2050 Institutional	3/31/08
[3775]	PIMCO RealPath™ 2050 P	10/31/11
[3776]	PIMCO RealPath™ 2050 R	7/31/08
[3777]	PNC Target 2050 I	9/28/12
[3778]	PNC Target 2050 T	4/28/15
[3779]	Presidential® Managed Risk 2050 A	11/2/11
[3780]	Presidential® Managed Risk 2050 A LW	11/2/11
[3781]	Presidential® Managed Risk 2050 C	11/2/11
[3782]	Presidential® Managed Risk 2050 I	11/2/11
[3783] PPEAX	Principal LifeTime 2050 A	6/28/05
[3784] PPEAX.lw	Principal LifeTime 2050 A Load Waived	6/28/05
[3785]	Principal LifeTime 2050 B	3/15/06
[3786]	Principal LifeTime 2050 C	1/16/07
[3787] PPLIX	Principal LifeTime 2050 Institutional	3/1/01
[3788] PFLJX	Principal LifeTime 2050 J	6/15/01
[3789] PZASX	Principal LifeTime 2050 R1	11/1/04
[3790]	Principal LifeTime 2050 R2	3/1/01
[3791] PTERX	Principal LifeTime 2050 R3	3/1/01
[3792] PTESX	Principal LifeTime 2050 R4	3/1/01
[3793] PTEFX	Principal LifeTime 2050 R5	3/1/01
[3794] PHTUX	Principal LifeTime Hybrid 2050 Instl	9/30/14
[3795] PHJUX	Principal LifeTime Hybrid 2050 J	3/1/18
[3796]	Principal LifeTime Hybrid 2050 R-3	3/1/19
[3797]	Principal LifeTime Hybrid 2050 R-5	3/1/19
[3798] PLJTX	Principal LifeTime Hybrid 2050 R6	8/24/15
[3799] PAEZX	Putnam Retirement Advantage 2050 A	9/1/20
[3800] PAENX	Putnam Retirement Advantage 2050 C	9/1/20
[3801] PAEQX	Putnam Retirement Advantage 2050 R	9/1/20
[3802] PAGZX	Putnam Retirement Advantage 2050 R3	9/1/20
[3803] PAHAX	Putnam Retirement Advantage 2050 R4	9/1/20
[3804] PAHDX	Putnam Retirement Advantage 2050 R5	9/1/20
[3805] PAEKX	Putnam Retirement Advantage 2050 R6	12/31/19
[3806] PHPDX	Putnam Retirement Advantage 2050 Y	9/1/20
[3807] PRRJX.lw	Putnam RetirementReady 2050 A LW	5/2/05
[3808]	Putnam RetirementReady 2050 M	5/2/05
[3809] PRRJX	Putnam Sustainable Retirement 2050 A	5/2/05
[3810]	Putnam Sustainable Retirement 2050 B	5/2/05
[3811]	Putnam Sustainable Retirement 2050 C	5/2/05
[3812] PRRKX	Putnam Sustainable Retirement 2050 R	5/2/05
[3813] PADWX	Putnam Sustainable Retirement 2050 R3	1/4/21
[3814] PAEHX	Putnam Sustainable Retirement 2050 R4	1/4/21
[3815] PAEJX	Putnam Sustainable Retirement 2050 R5	1/4/21
[3816] PREUX	Putnam Sustainable Retirement 2050 R6	9/1/16
[3817] PRRUX	Putnam Sustainable Retirement 2050 Y	5/2/05
[3818] LMJAX.lw	QS Legg Mason Target Retirement 205 A LW	8/29/08
[3819] LMJAX	QS Legg Mason Target Retirement 2050 A	8/29/08
[3820] LMJCX	QS Legg Mason Target Retirement 2050 C	8/29/08
[3821] LMJFX	QS Legg Mason Target Retirement 2050 FI	8/29/08
[3822] LMJIX	QS Legg Mason Target Retirement 2050 I	8/29/08
[3823] LMJSX	QS Legg Mason Target Retirement 2050 IS	8/29/08
[3824] LMJRX	QS Legg Mason Target Retirement 2050 R	8/29/08

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[3825]	Russell Inv LifePoints 2050 Strategy R1	3/31/08
[3826]	Russell Inv LifePoints 2050 Strategy R4	3/31/08
[3827]	Russell Inv LifePoints 2050 Strategy R5	3/31/08
[3828]	Russell LifePoints 2050 Strategy R4 {mg}	10/1/14
[3829]	Russell LifePoints 2050 Strategy R5 {mg}	10/1/14
[3830] SWNRX	Schwab Target 2050	1/23/13
[3831] SWYMX	Schwab Target 2050 Index	8/25/16
[3832]	Schwab Target 2050 Index Investor	8/25/16
[3833] SPTOX	SP Funds 2050 Target Date Institutional	6/28/24
[3834] SPTCX	SP Funds 2050 Target Date Investor	6/28/24
[3835]	State Farm LifePath 2050 A	7/14/08
[3836] NLPAX.lw	State Farm LifePath 2050 A Load Waived	7/14/08
[3837]	State Farm LifePath 2050 B	1/30/12
[3838]	State Farm LifePath 2050 B Legacy	1/30/12
[3839]	State Farm LifePath 2050 Inst	1/30/12
[3840]	State Farm LifePath 2050 Premier	5/23/16
[3841]	State Farm LifePath 2050 R1	7/14/08
[3842]	State Farm LifePath 2050 R2	7/14/08
[3843]	State Farm LifePath 2050 R3	1/30/12
[3844]	State Street Target Retirement 2050 A	9/30/14
[3845] SSDFX.lw	State Street Target Retirement 2050 A LW	9/30/14
[3846]	State Street Target Retirement 2050 C	12/31/15
[3847] SSDJX	State Street Target Retirement 2050 I	9/30/14
[3848] SSDLX	State Street Target Retirement 2050 K	9/30/14
[3849] SSAUX	State Street Target Retirement 2050 R3	2/11/22
[3850] TRRMX	T. Rowe Price Retirement 2050	12/29/06
[3851] PARFX	T. Rowe Price Retirement 2050 Advisor	12/29/06
[3852] TRJLX	T. Rowe Price Retirement 2050 I	11/13/23
[3853] RRTFX	T. Rowe Price Retirement 2050 R	12/29/06
[3854] TRBSX	T. Rowe Price Retirement Blend 2050	7/26/21
[3855] TBLLX	T. Rowe Price Retirement Blend 2050 I	7/26/21
[3856]	T. Rowe Price Retirement I 2050 I	9/29/15
[3857] TRFOX	T. Rowe Price Target 2050	8/20/13
[3858] PAOFX	T. Rowe Price Target 2050 Advisor	8/20/13
[3859] TOORX	T. Rowe Price Target 2050 I	2/26/16
[3860] TRNTX	Transamerica ClearTrack® 2050 R1	3/2/15
[3861] TCTUX	Transamerica ClearTrack® 2050 R3	3/1/19
[3862] TCMTX	Transamerica ClearTrack® 2050 R6	3/2/15
[3863]	Vanguard Instl Trgt Retire 2050 Instl	6/26/15
[3864] VFIFX	Vanguard Target Retirement 2050 Fund	6/7/06
[3865]	Vantagepoint Milestone 2050 Inv M	9/10/12
[3866]	Vantagepoint Milestone 2050 TM	3/1/13
[3867] URFFX	Victory Target Retirement 2050	7/31/08
[3868] VTDAX.lw	Virtus DFA 2050 Trgt Date Retire In A LW	1/11/16
[3869]	Virtus DFA 2050 Trgt Date Retire Inc A	1/11/16
[3870]	Virtus DFA 2050 Trgt Date Retire Inc I	1/11/16
[3871]	Virtus DFA 2050 Trgt Date Retire Inc R6	1/11/16
[3872]	Virtus DFA 2050 Trgt Date Retire Inc T	4/13/17
[3873] IDXPX	Voya Index Solution 2050 Port ADV	10/3/11
[3874] IDXQX	Voya Index Solution 2050 Port I	10/3/11
[3875] IDXRX	Voya Index Solution 2050 Port S	10/3/11
[3876] IDXSX	Voya Index Solution 2050 Port S2	10/3/11
[3877]	Voya Index Solution 2050 Port T	10/3/11
[3878] VSZGX	Voya Index Solution 2050 Port Z	5/1/15
[3879] ISNPX	Voya Solution 2050 Port ADV	10/3/11
[3880] ISNQX	Voya Solution 2050 Port I	10/3/11
[3881] ISNRX	Voya Solution 2050 Port S	10/3/11
[3882] ISNSX	Voya Solution 2050 Port S2	10/3/11

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[3883]	Voya Solution 2050 Port T	10/3/11
[3884] VTROX	Voya Target Retirement 2050 A	12/21/15
[3885] VTROX.lw	Voya Target Retirement 2050 A LW	12/21/15
[3886] IRSQX	Voya Target Retirement 2050 I	12/20/12
[3887] VRRMX	Voya Target Retirement 2050 R	6/1/18
[3888] VTRPX	Voya Target Retirement 2050 R6	12/21/15
[3889] WFQGX	Wells Fargo Advtg DJ Trgt 2050 Inv	6/29/07
[3890] WTDLX.lw	Wells Fargo Dynamic Target 2050 A LW	11/30/15
[3891]	Wells Fargo Dynamic Target 2050 R	11/30/15
[3892] WFQAX.lw	Wells Fargo Target 2050 A Load Waived	11/30/12
[3893] TNQIX	1290 Retirement 2055 I	2/27/17
[3894]	AB 2055 Retirement Strategy A	6/29/07
[3895]	AB 2055 Retirement Strategy A LW	6/29/07
[3896]	AB 2055 Retirement Strategy Advisor	6/29/07
[3897]	AB 2055 Retirement Strategy B	6/29/07
[3898]	AB 2055 Retirement Strategy C	6/29/07
[3899]	AB 2055 Retirement Strategy I	6/29/07
[3900]	AB 2055 Retirement Strategy K	6/29/07
[3901]	AB 2055 Retirement Strategy R	6/29/07
[3902]	AB Multi-Manager Select 2055 A	12/15/14
[3903] TDAPX.lw	AB Multi-Manager Select 2055 A LW	12/15/14
[3904]	AB Multi-Manager Select 2055 Advisor	12/15/14
[3905]	AB Multi-Manager Select 2055 C	12/15/14
[3906]	AB Multi-Manager Select 2055 I	12/15/14
[3907]	AB Multi-Manager Select 2055 K	12/15/14
[3908]	AB Multi-Manager Select 2055 R	12/15/14
[3909]	AB Multi-Manager Select 2055 Z	12/15/14
[3910]	AllianzGI Retirement 2055 A	12/19/11
[3911] GLIAX.lw	AllianzGI Retirement 2055 A Load Waived	12/19/11
[3912]	AllianzGI Retirement 2055 Administrative	12/19/11
[3913]	AllianzGI Retirement 2055 P	12/19/11
[3914]	AllianzGI Retirement 2055 R	12/19/11
[3915]	AllianzGI Retirement 2055 R6	12/19/11
[3916]	Allspring Dynamic Target 2055 A	11/30/15
[3917]	Allspring Dynamic Target 2055 Admin	8/26/22
[3918]	Allspring Dynamic Target 2055 C	11/30/15
[3919]	Allspring Dynamic Target 2055 R4	11/30/15
[3920]	Allspring Dynamic Target 2055 R6	11/30/15
[3921]	Allspring Target 2055 A	11/30/12
[3922]	Allspring Target 2055 Admin	7/1/11
[3923]	Allspring Target 2055 R	6/28/13
[3924]	Allspring Target 2055 R4	11/30/12
[3925]	Allspring Target 2055 R6	7/1/11
[3926]	Allstate ClearTarget 2050 Retirement A LW	4/14/08
[3927]	Allstate ClearTarget 2050 Retirement A	4/14/08
[3928] AGCBX	Allstate ClearTarget 2050 Retirement C	4/14/08
[3929] AHGIX	Allstate ClearTarget 2050 Retirement I	4/14/08
[3930] AADZX	American Century One Chc Blnd+ 2055 A	3/10/21
[3931] AADWX	American Century One Chc Blnd+ 2055 I	3/10/21
[3932] AADVX	American Century One Chc Blnd+ 2055 Inv	3/10/21
[3933] AAEDX	American Century One Chc Blnd+ 2055 R	3/10/21
[3934] AAEXX	American Century One Chc Blnd+ 2055 R6	3/10/21
[3935] AREMX	American Century One Choice 2055 A	3/31/11
[3936] AREMX.lw	American Century One Choice 2055 A LW	3/31/11
[3937] AREFX	American Century One Choice 2055 C	3/31/11
[3938] ARENX	American Century One Choice 2055 I	3/31/11
[3939] AREVX	American Century One Choice 2055 Inv	3/31/11
[3940] AREOX	American Century One Choice 2055 R	3/31/11

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[3941]	AREUX	American Century One Choice 2055 R6	7/31/13
[3942]		American Century One Choice 2055 R6 new	7/31/17
[3943]	AAMTX.lw	American Funds 2055 Trgt Date Retir A LW	2/1/10
[3944]	AAMTX	American Funds 2055 Trgt Date Retire A	2/1/10
[3945]		American Funds 2055 Trgt Date Retire B	2/21/14
[3946]	CCJTX	American Funds 2055 Trgt Date Retire C	2/21/14
[3947]	FAJTX	American Funds 2055 Trgt Date Retire F1	2/21/14
[3948]	FBJTX	American Funds 2055 Trgt Date Retire F2	2/21/14
[3949]	FCJTX	American Funds 2055 Trgt Date Retire F3	1/27/17
[3950]	RAMTX	American Funds 2055 Trgt Date Retire R1	2/1/10
[3951]	RBMTX	American Funds 2055 Trgt Date Retire R2	2/1/10
[3952]	RBEMX	American Funds 2055 Trgt Date Retire R2E	8/29/14
[3953]	RCMTX	American Funds 2055 Trgt Date Retire R3	2/1/10
[3954]	RDJTX	American Funds 2055 Trgt Date Retire R4	2/1/10
[3955]	REKTX	American Funds 2055 Trgt Date Retire R5	2/1/10
[3956]	RHJTX	American Funds 2055 Trgt Date Retire R5E	11/20/15
[3957]	RFKTX	American Funds 2055 Trgt Date Retire R6	2/1/10
[3958]	LEEIX	BlackRock LifePath ESG Index 2055 Instl	8/18/20
[3959]	LEVAX	BlackRock LifePath ESG Index 2055 Inv A	8/18/20
[3960]	LEVKX	BlackRock LifePath ESG Index 2055 K	8/18/20
[3961]	LPVIX	BlackRock LifePath® Dyn 2055 Instl	6/30/10
[3962]	LPVAX.lw	BlackRock LifePath® Dyn 2055 Invest A LW	6/30/10
[3963]	LPVAX	BlackRock LifePath® Dyn 2055 Investor A	6/30/10
[3964]	LPVCX	BlackRock LifePath® Dyn 2055 Investor C	6/30/10
[3965]	LPVKX	BlackRock LifePath® Dyn 2055 K	6/30/10
[3966]	LPVRX	BlackRock LifePath® Dyn 2055 R	6/30/10
[3967]	LIVIX	BlackRock LifePath® Index 2055 Instl	5/31/11
[3968]	LIVAX	BlackRock LifePath® Index 2055 Inv A	5/31/11
[3969]	LIVPX	BlackRock LifePath® Index 2055 Inv P	8/6/18
[3970]	LIVKX	BlackRock LifePath® Index 2055 K	5/31/11
[3971]	BAPLX.lw	BlackRock LifePath® Smart Beta 2055 I LW	2/28/13
[3972]		BlackRock LifePath® Smart Beta 2055 Ins	2/28/13
[3973]		BlackRock LifePath® Smart Beta 2055 InvA	2/28/13
[3974]		BlackRock LifePath® Smart Beta 2055 K	2/28/13
[3975]		BlackRock LifePath® Smart Beta 2055 R	2/28/13
[3976]		BMO Target Retirement 2055 I	12/27/13
[3977]		BMO Target Retirement 2055 R3	12/27/13
[3978]		BMO Target Retirement 2055 R6	12/27/13
[3979]		BMO Target Retirement 2055 Y	12/27/13
[3980]		Columbia Adaptive Retirement 2055 Adv	4/4/18
[3981]		Columbia Adaptive Retirement 2055 Inst3	4/4/18
[3982]	DRIKX	Dimensional 2055 Target Dt Rtr Inc Instl	11/2/15
[3983]	MXZHX	Empower Lifetime 2055 Instl	5/1/15
[3984]	MXWLX	Empower Lifetime 2055 Inv	5/1/09
[3985]	MXXLX	Empower Lifetime 2055 Svc	5/1/09
[3986]	FHFAX	Fidelity Advisor Freedom 2055 A	6/1/11
[3987]	FHFCX	Fidelity Advisor Freedom 2055 C	6/1/11
[3988]	FHFIX	Fidelity Advisor Freedom 2055 I	6/1/11
[3989]	FBGLX	Fidelity Advisor Freedom 2055 K6	6/6/17
[3990]	FHFTX	Fidelity Advisor Freedom 2055 M	6/1/11
[3991]	FIJSX	Fidelity Advisor Freedom 2055 Z	10/2/18
[3992]	FHUEX	Fidelity Advisor Freedom Blend 2055 A	8/31/18
[3993]	FHREX	Fidelity Advisor Freedom Blend 2055 C	8/31/18
[3994]	FHQEX	Fidelity Advisor Freedom Blend 2055 I	8/31/18
[3995]	FHTEX	Fidelity Advisor Freedom Blend 2055 M	8/31/18
[3996]	FHPEX	Fidelity Advisor Freedom Blend 2055 Z	8/31/18
[3997]		Fidelity Advisor Freedom Blend 2055 Z6	8/31/18
[3998]	FHFAX.lw	Fidelity Advisor Freedom® 2055 A LW	6/1/11



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[3999]	FSZJX	Fidelity Advisor Sust Trgt Dt 2055 A	5/11/23
[4000]	FSZKX	Fidelity Advisor Sust Trgt Dt 2055 C	5/11/23
[4001]	FSZMX	Fidelity Advisor Sust Trgt Dt 2055 I	5/11/23
[4002]	FSZLX	Fidelity Advisor Sust Trgt Dt 2055 M	5/11/23
[4003]	FSZNX	Fidelity Advisor Sust Trgt Dt 2055 Z	5/11/23
[4004]		Fidelity Advisor Sust Trgt Dt 2055 Z6	5/11/23
[4005]	FQLSX	Fidelity Flex Freedom Blend 2055	6/8/17
[4006]	FDEEX	Fidelity Freedom 2055	6/1/11
[4007]	FNSDX	Fidelity Freedom 2055 K	7/20/17
[4008]	FCTKX	Fidelity Freedom 2055 K6	6/7/17
[4009]	FHAOX	Fidelity Freedom Blend 2055	8/31/18
[4010]	FHVDX	Fidelity Freedom Blend 2055 K	8/31/18
[4011]	FHDDX	Fidelity Freedom Blend 2055 K6	8/31/18
[4012]	FFBZX	Fidelity Freedom Blnd 2055 Premier	4/6/21
[4013]	FFLDX	Fidelity Freedom Index 2055 Instl Prem	6/24/15
[4014]	FDEWX	Fidelity Freedom Index 2055 Investor	6/1/11
[4015]	FTYPX	Fidelity Freedom Index 2055 Premier	6/24/20
[4016]		Fidelity Freedom K® 2055	6/1/11
[4017]	FSZHX	Fidelity Sustainable Target Date 2055	5/11/23
[4018]	FSZQX	Fidelity Sustainable Target Date 2055 K	5/11/23
[4019]	FSZRX	Fidelity Sustainable Target Date 2055 K6	5/11/23
[4020]		Fidelity® Multi-Manager 2055	12/20/12
[4021]		Fidelity® Multi-Manager 2055 L	12/4/13
[4022]		Fidelity® Multi-Manager 2055 N	12/4/13
[4023]	FLTFX	Franklin LifeSmart 2055 Ret Trgt A	5/1/15
[4024]	FLTNX	Franklin LifeSmart 2055 Ret Trgt C	5/1/15
[4025]	FLSBX	Franklin LifeSmart 2055 Ret Trgt R	5/1/15
[4026]	FLSZX	Franklin LifeSmart 2055 Ret Trgt R6	5/1/15
[4027]	FLTKX	Franklin LifeSmart 2055 Ret TrgtAdv	5/1/15
[4028]	FLTFX.lw	Franklin LifeSmart™ 2055 Retire Trg A LW	5/1/15
[4029]		Goldman Sachs Target Date 2055 A	8/22/16
[4030]	GTANX.lw	Goldman Sachs Target Date 2055 A LW	8/22/16
[4031]		Goldman Sachs Target Date 2055 Instl	8/22/16
[4032]		Goldman Sachs Target Date 2055 Inv	8/22/16
[4033]		Goldman Sachs Target Date 2055 R	8/22/16
[4034]		Goldman Sachs Target Date 2055 R6	8/22/16
[4035]		Goldman Sachs Target Date 2055 Svc	8/22/16
[4036]	MXYGX	Great-West Lifetime 2055 II Instl	5/1/15
[4037]	MXZLX	Great-West Lifetime 2055 II L	4/7/11
[4038]	MXULX	Great-West Lifetime 2055 II T	5/1/09
[4039]	MXVLX	Great-West Lifetime 2055 II T1	5/1/09
[4040]		Great-West Lifetime 2055 L	4/22/16
[4041]		Great-West Lifetime Cnsrv 2055 Instl	5/1/15
[4042]		Great-West Lifetime Cnsrv 2055 Inv	5/1/09
[4043]		Great-West Lifetime Cnsrv 2055 Svc	5/1/09
[4044]		Great-West SecureFoundation® LT 2055 Inv	11/13/09
[4045]		Great-West SecureFoundation® LT 2055 L	1/31/11
[4046]		Great-West SecureFoundation® LT 2055 Svc	11/13/09
[4047]		Great-West SecureFoundation® LT 2055Inst	1/15/16
[4048]	GMGZX	GuideStone Funds MyDestination 2055 Inv	12/30/11
[4049]	GMGYX	GuideStone Funds MyDestination 2055Instl	5/1/17
[4050]		Harbor Target Retirement 2055 Admin	11/3/14
[4051]		Harbor Target Retirement 2055 Instl	11/3/14
[4052]		Harbor Target Retirement 2055 Investor	11/3/14
[4053]		Invesco Peak Retirement 2055 A	12/29/17
[4054]		Invesco Peak Retirement 2055 C	12/29/17
[4055]		Invesco Peak Retirement 2055 R	12/29/17
[4056]		Invesco Peak Retirement 2055 R5	12/29/17

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[4057]	Invesco Peak Retirement 2055 R6	12/29/17
[4058]	Invesco Peak Retirement 2055 Y	12/29/17
[4059] JLKZX	JHancock 2055 Lifetime Blend Pft 1	3/26/14
[4060] JHBJX	JHancock 2055 Lifetime Blend Pft A	6/21/21
[4061] JLKWX	JHancock 2055 Lifetime Blend Pft R4	3/26/14
[4062] JLKYX	JHancock 2055 Lifetime Blend Pft R6	3/26/14
[4063]	JHancock 2055 Presv Blend Ptf 1	3/26/14
[4064]	JHancock 2055 Presv Blend Ptf R2	3/26/14
[4065]	JHancock 2055 Presv Blend Ptf R4	3/26/14
[4066]	JHancock 2055 Presv Blend Ptf R6	3/26/14
[4067]	JHancock 2055 Prsrvtn Blend Pft I	10/22/21
[4068]	JHancock Multi-Index 2055 Presv A	7/7/21
[4069]	JHancock Multi-Index 2055 Presv R1	3/26/14
[4070]	JHancock Multi-Index 2055 Presv R3	6/21/16
[4071]	JHancock Multi-Index 2055 Presv R5	6/21/16
[4072] JLKUX	JHancock Multimanager 2055 Lifetime 1	3/26/14
[4073] JLKLX	JHancock Multimanager 2055 Lifetime A	3/26/14
[4074] JLKLX.lw	JHancock Multimanager 2055 Lifetime A LW	3/26/14
[4075] JHRTX	JHancock Multimanager 2055 Lifetime I	3/27/15
[4076]	JHancock Multimanager 2055 Lifetime R1	3/26/14
[4077] JLKNX	JHancock Multimanager 2055 Lifetime R2	3/26/14
[4078]	JHancock Multimanager 2055 Lifetime R3	3/26/14
[4079] JLKQX	JHancock Multimanager 2055 Lifetime R4	3/26/14
[4080] JLKSX	JHancock Multimanager 2055 Lifetime R5	3/26/14
[4081] JLKTX	JHancock Multimanager 2055 Lifetime R6	3/26/14
[4082]	JHancock Retire Living thru II 2055 R2	3/26/14
[4083] JFFAX	JPMorgan SmartRetirement® 2055 A	1/31/12
[4084] JFFAX.lw	JPMorgan SmartRetirement® 2055 A LW	1/31/12
[4085] JFFCX	JPMorgan SmartRetirement® 2055 C	1/31/12
[4086] JFFSX	JPMorgan SmartRetirement® 2055 I	1/31/12
[4087] JFFRX	JPMorgan SmartRetirement® 2055 R2	1/31/12
[4088] JFFPX	JPMorgan SmartRetirement® 2055 R3	9/9/16
[4089] JFFQX	JPMorgan SmartRetirement® 2055 R4	9/9/16
[4090] JFFIX	JPMorgan SmartRetirement® 2055 R5	1/31/12
[4091] JFFYX	JPMorgan SmartRetirement® 2055 R6	11/3/14
[4092]	JPMorgan SmartRetirement® Blend 2055 A	7/2/12
[4093]	JPMorgan SmartRetirement® Blend 2055 C	7/2/12
[4094] JPTBX	JPMorgan SmartRetirement® Blend 2055 I	7/2/12
[4095] JTRBX	JPMorgan SmartRetirement® Blend 2055 R2	7/2/12
[4096] JTTUX	JPMorgan SmartRetirement® Blend 2055 R3	5/31/17
[4097] JTTLX	JPMorgan SmartRetirement® Blend 2055 R4	5/31/17
[4098] JTB BX	JPMorgan SmartRetirement® Blend 2055 R5	7/2/12
[4099] JTYBX	JPMorgan SmartRetirement® Blend 2055 R6	7/2/12
[4100]	KP Retirement Path 2055 Institutional	1/10/14
[4101] MTZCX	Manning & Napier Target 2055 C	6/25/12
[4102]	Manning & Napier Target 2055 I	6/25/12
[4103]	Manning & Napier Target 2055 K	6/25/12
[4104]	Manning & Napier Target 2055 R	6/25/12
[4105]	Manning & Napier Target 2055 R6	10/16/17
[4106] MMWAX.lw	MassMutual RetireSMART 2055 A LW	9/17/13
[4107] MMWLX	MassMutual RetireSMART 2055 L	9/17/13
[4108] MMWAX	MassMutual RetireSMART by JPM 2055 A	9/17/13
[4109] MMWYX	MassMutual RetireSMART by JPM 2055 Adm	9/17/13
[4110] MMWZX	MassMutual RetireSMART by JPM 2055 I	4/1/14
[4111] MMWTX	MassMutual RetireSMART by JPM 2055 R3	4/1/14
[4112] MMWEX	MassMutual RetireSMART by JPM 2055 R4	4/1/14
[4113] MMWUX	MassMutual RetireSMART by JPM 2055 R5	4/1/14
[4114] MMWSX	MassMutual RetireSMART by JPM 2055 Svc	9/17/13



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[4115] MMDJX	MassMutual Select TRP Retirement 2055 I	2/16/18
[4116] MMDOX	MassMutual Select TRP Retirement 2055 M3	2/16/18
[4117] MMDMX	MassMutual Select TRP Retirement 2055 M4	2/16/18
[4118] MMDKX	MassMutual Select TRP Retirement 2055 M5	2/16/18
[4119] LFIAX	MFS Lifetime 2055 A	11/2/12
[4120] LFIAX.lw	MFS Lifetime 2055 A Load Waived	11/2/12
[4121] LFIBX	MFS Lifetime 2055 B	11/2/12
[4122] LFICX	MFS Lifetime 2055 C	11/2/12
[4123] LFIIX	MFS Lifetime 2055 I	11/2/12
[4124] LFIRX	MFS Lifetime 2055 R1	11/2/12
[4125] LFISX	MFS Lifetime 2055 R2	11/2/12
[4126] LFITX	MFS Lifetime 2055 R3	11/2/12
[4127] LFIUX	MFS Lifetime 2055 R4	11/2/12
[4128] LFIKX	MFS Lifetime 2055 R6	8/29/16
[4129] MUROX	MoA Clear Passage 2055 Fund	10/3/16
[4130] NTDAX	Nationwide Destination 2055 A	12/27/10
[4131] NTDAX.lw	Nationwide Destination 2055 A LW	12/27/10
[4132]	Nationwide Destination 2055 C	12/27/10
[4133] NTDSX	Nationwide Destination 2055 Instl Svc	12/27/10
[4134] NTDTX	Nationwide Destination 2055 R	12/27/10
[4135] NTDTX	Nationwide Destination 2055 R1	12/27/10
[4136] NTDIX	Nationwide Destination 2055 R6	12/27/10
[4137] NSFLX	Natixis Target Retirement 2055 N	2/28/17
[4138] TTRHX	Nuveen Lifecycle 2055 I	12/4/15
[4139] TTRPX	Nuveen Lifecycle 2055 Premier	4/29/11
[4140] TTRIX	Nuveen Lifecycle 2055 R6	4/29/11
[4141] TTRLX	Nuveen Lifecycle 2055 Retirement	4/29/11
[4142] TTIHX	Nuveen Lifecycle Index 2055 I	12/4/15
[4143] TTIPX	Nuveen Lifecycle Index 2055 Premier	4/29/11
[4144] TTIIX	Nuveen Lifecycle Index 2055 R6	4/29/11
[4145] TTIRX	Nuveen Lifecycle Index 2055 Retire	4/29/11
[4146] OTAAX	Old Mutual 2041-2050 Aggressive A	1/2/09
[4147] OTAAX.lw	Old Mutual 2041-2050 Aggressive A LW	1/2/09
[4148] OTAGX	Old Mutual 2041-2050 Aggressive Instl	3/3/08
[4149] OTCSX	Old Mutual 2041-2050 Conservative A	1/2/09
[4150] OTCSX.lw	Old Mutual 2041-2050 Conservative A LW	1/2/09
[4151] OTCMX	Old Mutual 2041-2050 Conservative Instl	3/3/08
[4152] OTMMX	Old Mutual 2041-2050 Moderate A	1/2/09
[4153] OTMMX.lw	Old Mutual 2041-2050 Moderate A LW	1/2/09
[4154] OTMGX	Old Mutual 2041-2050 Moderate Instl	3/3/08
[4155] PDKDX	PGIM Target Date 2055 R1	12/13/16
[4156] PDKEX	PGIM Target Date 2055 R2	12/13/16
[4157] PDKFX	PGIM Target Date 2055 R3	12/13/16
[4158] PDKGX	PGIM Target Date 2055 R4	12/13/16
[4159] PDKHX	PGIM Target Date 2055 R5	12/13/16
[4160] PDKJX	PGIM Target Date 2055 R6	12/13/16
[4161] PRQAX	PIMCO RealPath Blend 2055 A	12/31/14
[4162] PRQAX.lw	PIMCO RealPath Blend 2055 A Load Waived	12/31/14
[4163]	PIMCO RealPath Blend 2055 Administrative	12/31/14
[4164] PRQZX	PIMCO RealPath Blend 2055 Institutional	12/31/14
[4165]	PIMCO RealPath™ 2055 A	12/31/14
[4166] PQRAX.lw	PIMCO RealPath™ 2055 A Load Waived	12/31/14
[4167]	PIMCO RealPath™ 2055 Administrative	12/31/14
[4168]	PIMCO RealPath™ 2055 C	12/31/14
[4169]	PIMCO RealPath™ 2055 D	12/31/14
[4170]	PIMCO RealPath™ 2055 Institutional	12/31/14
[4171]	PIMCO RealPath™ 2055 P	12/31/14
[4172]	PIMCO RealPath™ 2055 R	12/31/14

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[4173]	LTFIX	Principal LifeTime 2055 Institutional	2/29/08
[4174]	LTFGX	Principal LifeTime 2055 R1	2/29/08
[4175]		Principal LifeTime 2055 R2	2/29/08
[4176]	LTFDX	Principal LifeTime 2055 R3	2/29/08
[4177]	LTF LX	Principal LifeTime 2055 R4	2/29/08
[4178]	LTFPX	Principal LifeTime 2055 R5	2/29/08
[4179]	PLTNX	Principal LifeTime Hybrid 2055 Instl	9/30/14
[4180]	PHJBX	Principal LifeTime Hybrid 2055 J	3/1/18
[4181]		Principal LifeTime Hybrid 2055 R-3	3/1/19
[4182]		Principal LifeTime Hybrid 2055 R-5	3/1/19
[4183]	PLHTX	Principal LifeTime Hybrid 2055 R6	8/24/15
[4184]	PADYX	Putnam Retirement Advantage 2055 A	9/1/20
[4185]	PACWX	Putnam Retirement Advantage 2055 C	9/1/20
[4186]	PACSX	Putnam Retirement Advantage 2055 R	9/1/20
[4187]	PAHEX	Putnam Retirement Advantage 2055 R3	9/1/20
[4188]	PAHFX	Putnam Retirement Advantage 2055 R4	9/1/20
[4189]	PAHGX	Putnam Retirement Advantage 2055 R5	9/1/20
[4190]	PACJX	Putnam Retirement Advantage 2055 R6	12/31/19
[4191]	PAAWX	Putnam Retirement Advantage 2055 Y	9/1/20
[4192]	PRRFX.lw	Putnam RetirementReady 2055 A LW	11/30/10
[4193]		Putnam RetirementReady 2055 M	11/30/10
[4194]	PRRFX	Putnam Sustainable Retirement 2055 A	11/30/10
[4195]		Putnam Sustainable Retirement 2055 B	11/30/10
[4196]		Putnam Sustainable Retirement 2055 C	11/30/10
[4197]	PRRVX	Putnam Sustainable Retirement 2055 R	11/30/10
[4198]	PAEOX	Putnam Sustainable Retirement 2055 R3	1/4/21
[4199]	PAEPX	Putnam Sustainable Retirement 2055 R4	1/4/21
[4200]	PAESX	Putnam Sustainable Retirement 2055 R5	1/4/21
[4201]	PREVX	Putnam Sustainable Retirement 2055 R6	9/1/16
[4202]	PRTLX	Putnam Sustainable Retirement 2055 Y	11/30/10
[4203]		Russell Inv LifePoints 2055 Strategy R1	12/31/10
[4204]		Russell Inv LifePoints 2055 Strategy R4	12/31/10
[4205]		Russell Inv LifePoints 2055 Strategy R5	12/31/10
[4206]		Russell LifePoints 2055 Strategy R4 {mg}	10/1/14
[4207]		Russell LifePoints 2055 Strategy R5 {mg}	10/1/14
[4208]	SWORX	Schwab Target 2055	1/23/13
[4209]	SWYJX	Schwab Target 2055 Index	8/25/16
[4210]		Schwab Target 2055 Index Investor	8/25/16
[4211]		State Street Target Retirement 2055 A	9/30/14
[4212]	SSDMX.lw	State Street Target Retirement 2055 A LW	9/30/14
[4213]		State Street Target Retirement 2055 C	12/31/15
[4214]	SSDOX	State Street Target Retirement 2055 I	9/30/14
[4215]	SSDQX	State Street Target Retirement 2055 K	9/30/14
[4216]	SSAWX	State Street Target Retirement 2055 R3	2/25/22
[4217]	TRRNX	T. Rowe Price Retirement 2055	12/29/06
[4218]	PAROX	T. Rowe Price Retirement 2055 Advisor	5/31/07
[4219]	TRJMX	T. Rowe Price Retirement 2055 I	11/13/23
[4220]	RRTVX	T. Rowe Price Retirement 2055 R	5/31/07
[4221]	TRBOX	T. Rowe Price Retirement Blend 2055	7/26/21
[4222]	TBLMX	T. Rowe Price Retirement Blend 2055 I	7/26/21
[4223]		T. Rowe Price Retirement I 2055 I	9/29/15
[4224]	TRFFX	T. Rowe Price Target 2055	8/20/13
[4225]	PAFTX	T. Rowe Price Target 2055 Advisor	8/20/13
[4226]	TRPPX	T. Rowe Price Target 2055 I	2/26/16
[4227]	TCTOX	Transamerica ClearTrack® 2055 R1	7/7/17
[4228]	TCTVX	Transamerica ClearTrack® 2055 R3	3/1/19
[4229]	TCTSX	Transamerica ClearTrack® 2055 R6	7/7/17
[4230]		Van Kampen 2050 Retirement Strategy A	10/23/08

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[4231]	Van Kampen 2050 Retirement Strategy A LW	10/23/08
[4232]	Van Kampen 2050 Retirement Strategy C	10/23/08
[4233]	Van Kampen 2050 Retirement Strategy I	10/23/08
[4234]	Van Kampen 2050 Retirement Strategy R	10/23/08
[4235]	Vanguard Instl Trgt Retire 2055 Instl	6/26/15
[4236] VFFVX	Vanguard Target Retirement 2055 Fund	8/18/10
[4237]	Vantagepoint Milestone 2055 Inv M	1/4/16
[4238]	Vantagepoint Milestone 2055 TM	1/4/16
[4239] VTRAX.lw	Virtus DFA 2055 Trgt Date Retire In A LW	1/11/16
[4240]	Virtus DFA 2055 Trgt Date Retire Inc A	1/11/16
[4241]	Virtus DFA 2055 Trgt Date Retire Inc I	1/11/16
[4242]	Virtus DFA 2055 Trgt Date Retire Inc R6	1/11/16
[4243]	Virtus DFA 2055 Trgt Date Retire Inc T	4/13/17
[4244] IISAX	Voya Index Solution 2055 Port ADV	3/8/10
[4245] IISNX	Voya Index Solution 2055 Port I	3/8/10
[4246] IISXX	Voya Index Solution 2055 Port S	3/8/10
[4247] IISTX	Voya Index Solution 2055 Port S2	3/8/10
[4248]	Voya Index Solution 2055 Port T	3/8/10
[4249] VSZHX	Voya Index Solution 2055 Port Z	5/1/15
[4250] IASPX	Voya Solution 2055 Port ADV	3/8/10
[4251] IISPX	Voya Solution 2055 Port I	3/8/10
[4252] ISSPX	Voya Solution 2055 Port S	3/8/10
[4253] ITSPX	Voya Solution 2055 Port S2	3/8/10
[4254]	Voya Solution 2055 Port T	3/8/10
[4255] VTRQX	Voya Target Retirement 2055 A	12/21/15
[4256] VTRQX.lw	Voya Target Retirement 2055 A LW	12/21/15
[4257] IRSVX	Voya Target Retirement 2055 I	12/20/12
[4258] VRRNX	Voya Target Retirement 2055 R	6/1/18
[4259] VTRRX	Voya Target Retirement 2055 R6	12/21/15
[4260] WFQHX	Wells Fargo Advtg DJ Trgt 2055 Inv	7/1/11
[4261] WTDQX.lw	Wells Fargo Dynamic Target 2055 A LW	11/30/15
[4262]	Wells Fargo Dynamic Target 2055 R	11/30/15
[4263] WFQZX.lw	Wells Fargo Target 2055 A Load Waived	11/30/12
[4264]	AB Multi-Manager Select 2060 A	2/1/19
[4265]	AB Multi-Manager Select 2060 Advisor	2/1/19
[4266]	AB Multi-Manager Select 2060 C	2/1/19
[4267]	AB Multi-Manager Select 2060 I	2/1/19
[4268]	AB Multi-Manager Select 2060 K	2/1/19
[4269]	AB Multi-Manager Select 2060 R	2/1/19
[4270]	AB Multi-Manager Select 2060 Z	2/1/19
[4271]	Allspring Dynamic Target 2060 A	11/30/15
[4272]	Allspring Dynamic Target 2060 Admin	8/26/22
[4273]	Allspring Dynamic Target 2060 C	11/30/15
[4274]	Allspring Dynamic Target 2060 R4	11/30/15
[4275]	Allspring Dynamic Target 2060 R6	11/30/15
[4276]	Allspring Target 2060 A	6/30/15
[4277]	Allspring Target 2060 Admin	6/30/15
[4278]	Allspring Target 2060 C	6/30/15
[4279]	Allspring Target 2060 R	6/30/15
[4280]	Allspring Target 2060 R4	6/30/15
[4281]	Allspring Target 2060 R6	6/30/15
[4282] AAEHX	American Century One Chc Blnd+ 2060 A	3/10/21
[4283] AAEGX	American Century One Chc Blnd+ 2060 I	3/10/21
[4284] AAEFX	American Century One Chc Blnd+ 2060 Inv	3/10/21
[4285] AAPIX	American Century One Chc Blnd+ 2060 R	3/10/21
[4286] AAEXX	American Century One Chc Blnd+ 2060 R6	3/10/21
[4287] ARGMX	American Century One Choice 2060 A	9/30/15
[4288] ARGMX.lw	American Century One Choice 2060 A LW	9/30/15

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[4289]	ARGHX	American Century One Choice 2060 C	9/30/15
[4290]	ARGNX	American Century One Choice 2060 I	9/30/15
[4291]	ARGVX	American Century One Choice 2060 Inv	9/30/15
[4292]	ARGRX	American Century One Choice 2060 R	9/30/15
[4293]	ARGDX	American Century One Choice 2060 R6	9/30/15
[4294]		American Century One Choice 2060 R6 new	7/31/17
[4295]	AANTX.lw	American Funds 2060 Trgt Date Retir A LW	3/27/15
[4296]	AANTX	American Funds 2060 Trgt Date Retire A	3/27/15
[4297]		American Funds 2060 Trgt Date Retire B	3/27/15
[4298]	CCKTX	American Funds 2060 Trgt Date Retire C	3/27/15
[4299]	FAWTX	American Funds 2060 Trgt Date Retire F1	3/27/15
[4300]	FBKTX	American Funds 2060 Trgt Date Retire F2	3/27/15
[4301]	FCKTX	American Funds 2060 Trgt Date Retire F3	1/27/17
[4302]	RANTX	American Funds 2060 Trgt Date Retire R1	3/27/15
[4303]	RBNTX	American Funds 2060 Trgt Date Retire R2	3/27/15
[4304]	RBENX	American Funds 2060 Trgt Date Retire R2E	3/27/15
[4305]	RCNTX	American Funds 2060 Trgt Date Retire R3	3/27/15
[4306]	RDKTX	American Funds 2060 Trgt Date Retire R4	3/27/15
[4307]	REMTX	American Funds 2060 Trgt Date Retire R5	3/27/15
[4308]	RHKTU	American Funds 2060 Trgt Date Retire R5E	11/20/15
[4309]	RFUTX	American Funds 2060 Trgt Date Retire R6	3/27/15
[4310]	LEZIX	BlackRock LifePath ESG Index 2060 Instl	8/18/20
[4311]	LEZAX	BlackRock LifePath ESG Index 2060 Inv A	8/18/20
[4312]	LEZKX	BlackRock LifePath ESG Index 2060 K	8/18/20
[4313]		Blackrock Lifepath Smart Beta 2060 Ins	5/31/17
[4314]		Blackrock Lifepath Smart Beta 2060 Inv A	5/31/17
[4315]		Blackrock Lifepath Smart Beta 2060 K	5/31/17
[4316]		Blackrock Lifepath Smart Beta 2060 R	5/31/17
[4317]	LPDKX	BlackRock LifePath® Dyn 2060 K	5/31/17
[4318]	LPDIX	BlackRock LifePath® Dynamic 2060 Ins	5/31/17
[4319]	LPDAX	BlackRock LifePath® Dynamic 2060 Inv A	5/31/17
[4320]	LPDCX	BlackRock LifePath® Dynamic 2060 Inv C	5/31/17
[4321]	LPDRX	BlackRock LifePath® Dynamic 2060 R	5/31/17
[4322]	LIZIX	BlackRock LifePath® Index 2060 Instl	2/29/16
[4323]	LIZAX	BlackRock LifePath® Index 2060 Inv A	2/29/16
[4324]	LIZPX	BlackRock LifePath® Index 2060 Inv P	8/6/18
[4325]	LIZKX	BlackRock LifePath® Index 2060 K	2/29/16
[4326]		Columbia Adaptive Retirement 2060 Adv	10/24/17
[4327]		Columbia Adaptive Retirement 2060 Inst3	10/24/17
[4328]	DRILX	Dimensional 2060 Target Dt Rtr Inc Instl	11/2/15
[4329]	MXGUX	Empower Lifetime 2060 Instl	5/1/19
[4330]	MXGNX	Empower Lifetime 2060 Inv	5/1/19
[4331]	MXGQX	Empower Lifetime 2060 Svc	5/1/19
[4332]	FDKPX	Fidelity Advisor Freedom 2060 A	8/5/14
[4333]	FDKSX	Fidelity Advisor Freedom 2060 C	8/5/14
[4334]	FDKQX	Fidelity Advisor Freedom 2060 I	8/5/14
[4335]	FNGLX	Fidelity Advisor Freedom 2060 K6	6/6/17
[4336]	FDKTX	Fidelity Advisor Freedom 2060 M	8/5/14
[4337]	FIJTX	Fidelity Advisor Freedom 2060 Z	10/2/18
[4338]	FHNEX	Fidelity Advisor Freedom Blend 2060 A	8/31/18
[4339]	FHLEX	Fidelity Advisor Freedom Blend 2060 C	8/31/18
[4340]	FHKEX	Fidelity Advisor Freedom Blend 2060 I	8/31/18
[4341]	FHMEX	Fidelity Advisor Freedom Blend 2060 M	8/31/18
[4342]	FHJEX	Fidelity Advisor Freedom Blend 2060 Z	8/31/18
[4343]		Fidelity Advisor Freedom Blend 2060 Z6	8/31/18
[4344]	FDKPX.lw	Fidelity Advisor Freedom® 2060 A LW	8/5/14
[4345]	FSZTX	Fidelity Advisor Sust Trgt Dt 2060 A	5/11/23
[4346]	FSZVX	Fidelity Advisor Sust Trgt Dt 2060 C	5/11/23

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[4347] FSZYX	Fidelity Advisor Sust Trgt Dt 2060 I	5/11/23
[4348] FSZWX	Fidelity Advisor Sust Trgt Dt 2060 M	5/11/23
[4349] FTDLX	Fidelity Advisor Sust Trgt Dt 2060 Z	5/11/23
[4350]	Fidelity Advisor Sust Trgt Dt 2060 Z6	5/11/23
[4351] FWLSX	Fidelity Flex Freedom Blend 2060	6/8/17
[4352] FDKVX	Fidelity Freedom 2060	8/5/14
[4353] FNSFX	Fidelity Freedom 2060 K	7/20/17
[4354] FVTKX	Fidelity Freedom 2060 K6	6/7/17
[4355] FHANX	Fidelity Freedom Blend 2060	8/31/18
[4356] FHTDX	Fidelity Freedom Blend 2060 K	8/31/18
[4357] FHCDX	Fidelity Freedom Blend 2060 K6	8/31/18
[4358] FFCBX	Fidelity Freedom Blnd 2060 Premier	4/6/21
[4359] FFLEX	Fidelity Freedom Index 2060 Instl Prem	6/24/15
[4360] FDKLX	Fidelity Freedom Index 2060 Investor	8/5/14
[4361] FUIPX	Fidelity Freedom Index 2060 Premier	6/24/20
[4362]	Fidelity Freedom K® 2060	8/5/14
[4363] FSZSX	Fidelity Sustainable Target Date 2060	5/11/23
[4364] FTGKX	Fidelity Sustainable Target Date 2060 K	5/11/23
[4365] FTGNX	Fidelity Sustainable Target Date 2060 K6	5/11/23
[4366]	Fidelity® Multi-Manager 2060	8/5/14
[4367]	Fidelity® Multi-Manager 2060 L	8/5/14
[4368]	Fidelity® Multi-Manager 2060 N	8/5/14
[4369] FLJSX	Franklin LifeSmart 2060 Ret TrgtAdv	1/29/21
[4370] FLASX	Franklin LifeSmart 2060 RetTrgt A	1/29/21
[4371] FLBSX	Franklin LifeSmart 2060 RetTrgt C	1/29/21
[4372] FLESX	Franklin LifeSmart 2060 RetTrgt R	1/29/21
[4373] FLFSX	Franklin LifeSmart 2060 RetTrgt R6	1/29/21
[4374]	Goldman Sachs Target Date 2060 A	4/30/18
[4375]	Goldman Sachs Target Date 2060 Instl	4/30/18
[4376]	Goldman Sachs Target Date 2060 Investor	4/30/18
[4377]	Goldman Sachs Target Date 2060 R	4/30/18
[4378]	Goldman Sachs Target Date 2060 R6	4/30/18
[4379]	Goldman Sachs Target Date 2060 Service	4/30/18
[4380]	Great-West Lifetime 2060 L	5/1/19
[4381]	Great-West Lifetime Cnsrv 2060 Instl	5/1/19
[4382]	Great-West Lifetime Cnsrv 2060 Inv	5/1/19
[4383]	Great-West Lifetime Cnsrv 2060 Svc	5/1/19
[4384]	Great-West SecureFoundation® LT 2060 Inv	5/1/19
[4385]	Great-West SecureFoundation® LT 2060 L	5/1/19
[4386]	Great-West SecureFoundation® LT 2060 Svc	5/1/19
[4387]	Great-West SecureFoundtn Lftm 2060 Instl	5/1/19
[4388]	Harbor Target Retirement 2060 Instl	11/1/19
[4389]	Invesco Peak Retirement 2060 A	12/29/17
[4390]	Invesco Peak Retirement 2060 C	12/29/17
[4391]	Invesco Peak Retirement 2060 R	12/29/17
[4392]	Invesco Peak Retirement 2060 R5	12/29/17
[4393]	Invesco Peak Retirement 2060 R6	12/29/17
[4394]	Invesco Peak Retirement 2060 Y	12/29/17
[4395] JRODX	JHancock 2060 Lifetime Blend Pft 1	3/30/16
[4396] JHBKX	JHancock 2060 Lifetime Blend Pft A	6/21/21
[4397] JHIKX	JHancock 2060 Lifetime Blend Pft R4	4/7/17
[4398] JIEHX	JHancock 2060 Lifetime Blend Pft R6	3/30/16
[4399]	JHancock 2060 Presv Blend Ptf 1	3/30/16
[4400]	JHancock 2060 Presv Blend Ptf R2	3/30/16
[4401]	JHancock 2060 Presv Blend Ptf R4	3/30/16
[4402]	JHancock 2060 Presv Blend Ptf R6	3/30/16
[4403]	JHancock 2060 Prsrvtn Blend Pft I	10/22/21
[4404]	JHancock Multi-Index 2060 Presv A	7/7/21



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[4405]	JHancock Multi-Index 2060 Presv R1	3/30/16
[4406]	JHancock Multi-Index 2060 Presv R3	3/28/16
[4407]	JHancock Multi-Index 2060 Presv R5	3/28/16
[4408] JRETX	JHancock Multimanager 2060 Lifetime 1	3/30/16
[4409] JJERX	JHancock Multimanager 2060 Lifetime A	3/30/16
[4410] JJERX.lw	JHancock Multimanager 2060 Lifetime A LW	3/30/16
[4411] JMENX	JHancock Multimanager 2060 Lifetime I	3/30/16
[4412]	JHancock Multimanager 2060 Lifetime R1	3/30/16
[4413] JVIMX	JHancock Multimanager 2060 Lifetime R2	3/30/16
[4414]	JHancock Multimanager 2060 Lifetime R3	3/30/16
[4415] JROUX	JHancock Multimanager 2060 Lifetime R4	3/30/16
[4416] JGHTX	JHancock Multimanager 2060 Lifetime R5	3/30/16
[4417] JESRX	JHancock Multimanager 2060 Lifetime R6	3/30/16
[4418] JAKAX	JPMorgan SmartRetirement® 2060 A	8/31/16
[4419] JAKAX.lw	JPMorgan SmartRetirement® 2060 A LW	8/31/16
[4420] JAKCX	JPMorgan SmartRetirement® 2060 C	8/31/16
[4421] JAKSX	JPMorgan SmartRetirement® 2060 I	8/31/16
[4422] JAKZX	JPMorgan SmartRetirement® 2060 R2	8/31/16
[4423] JAKPX	JPMorgan SmartRetirement® 2060 R3	9/9/16
[4424] JAKQX	JPMorgan SmartRetirement® 2060 R4	9/9/16
[4425] JAKIX	JPMorgan SmartRetirement® 2060 R5	8/31/16
[4426] JAKYX	JPMorgan SmartRetirement® 2060 R6	8/31/16
[4427]	JPMorgan SmartRetirement® Blend 2060 A	9/1/16
[4428]	JPMorgan SmartRetirement® Blend 2060 C	9/1/16
[4429] JAC SX	JPMorgan SmartRetirement® Blend 2060 I	8/31/16
[4430] JATPX	JPMorgan SmartRetirement® Blend 2060 R2	8/31/16
[4431] JATQX	JPMorgan SmartRetirement® Blend 2060 R3	5/31/17
[4432] JATUX	JPMorgan SmartRetirement® Blend 2060 R4	5/31/17
[4433] JAABX	JPMorgan SmartRetirement® Blend 2060 R5	8/31/16
[4434] JAAYX	JPMorgan SmartRetirement® Blend 2060 R6	8/31/16
[4435]	KP Retirement Path 2060 Institutional	1/10/14
[4436]	KP Retirement Path 2065 Institutional	5/24/19
[4437]	MainStay Retirement 2060 A	2/29/16
[4438] MYSQX.lw	MainStay Retirement 2060 A Load Waived	2/29/16
[4439]	MainStay Retirement 2060 I	2/29/16
[4440]	MainStay Retirement 2060 Investor	2/29/16
[4441]	MainStay Retirement 2060 R1	2/29/16
[4442]	MainStay Retirement 2060 R2	2/29/16
[4443]	MainStay Retirement 2060 R3	2/29/16
[4444]	Manning & Napier Target 2060 I	9/21/15
[4445]	Manning & Napier Target 2060 K	9/21/15
[4446]	Manning & Napier Target 2060 R	9/21/15
[4447]	Manning & Napier Target 2060 R6	10/16/17
[4448] MMWDX.lw	MassMutual RetireSMART 2060 A LW	11/23/15
[4449] MMWDX	MassMutual RetireSMART by JPM 2060 A	11/23/15
[4450] MMWFX	MassMutual RetireSMART by JPM 2060 Adm	11/23/15
[4451] MMWIX	MassMutual RetireSMART by JPM 2060 I	11/23/15
[4452] MMWBX	MassMutual RetireSMART by JPM 2060 R3	11/23/15
[4453] MMWCX	MassMutual RetireSMART by JPM 2060 R4	11/23/15
[4454] MMWHX	MassMutual RetireSMART by JPM 2060 R5	11/23/15
[4455] MMWGX	MassMutual RetireSMART by JPM 2060 Svc	11/23/15
[4456] MMSKX	MassMutual Select TRP Retirement 2060 I	2/16/18
[4457] MMSVX	MassMutual Select TRP Retirement 2060 M3	2/16/18
[4458] MMSGX	MassMutual Select TRP Retirement 2060 M4	2/16/18
[4459] MMSOX	MassMutual Select TRP Retirement 2060 M5	2/16/18
[4460] MFJAX	MFS Lifetime 2060 A	12/6/16
[4461] MFJBX	MFS Lifetime 2060 B	12/6/16
[4462] MFJCX	MFS Lifetime 2060 C	12/6/16



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[4463]	MFJIX	MFS Lifetime 2060 I	12/6/16
[4464]	MFJEX	MFS Lifetime 2060 R1	12/6/16
[4465]	MFJGX	MFS Lifetime 2060 R2	12/6/16
[4466]	MFJTX	MFS Lifetime 2060 R3	12/6/16
[4467]	MFJUX	MFS Lifetime 2060 R4	12/6/16
[4468]	MFJKX	MFS Lifetime 2060 R6	12/6/16
[4469]	MURPX	MoA Clear Passage 2060 Fund	7/2/18
[4470]	NWWRX	Nationwide Destination 2060 A	11/28/14
[4471]	NWWRX.lw	Nationwide Destination 2060 A LW	11/28/14
[4472]		Nationwide Destination 2060 C	11/28/14
[4473]	NWWVX	Nationwide Destination 2060 Instl Svc	11/28/14
[4474]	NWWTX	Nationwide Destination 2060 R	11/28/14
[4475]	NWWUX	Nationwide Destination 2060 R6	11/28/14
[4476]	NSFMX	Natixis Target Retirement 2060 N	2/28/17
[4477]	TLXHX	Nuveen Lifecycle 2060 I	12/4/15
[4478]	TLXPX	Nuveen Lifecycle 2060 Premier	9/26/14
[4479]	TLXNX	Nuveen Lifecycle 2060 R6	9/26/14
[4480]	TLXRX	Nuveen Lifecycle 2060 Retirement	9/26/14
[4481]	TVIHX	Nuveen Lifecycle Index 2060 I	12/4/15
[4482]	TVIPX	Nuveen Lifecycle Index 2060 Premier	9/26/14
[4483]	TVIIX	Nuveen Lifecycle Index 2060 R6	9/26/14
[4484]	TVITX	Nuveen Lifecycle Index 2060 Retire	9/26/14
[4485]	PDLDX	PGIM Target Date 2060 R1	12/13/16
[4486]	PDLEX	PGIM Target Date 2060 R2	12/13/16
[4487]	PDLFX	PGIM Target Date 2060 R3	12/13/16
[4488]	PDLGX	PGIM Target Date 2060 R4	12/13/16
[4489]	PDLHX	PGIM Target Date 2060 R5	12/13/16
[4490]	PDLJX	PGIM Target Date 2060 R6	12/13/16
[4491]	PRBAX	PIMCO RealPath Blend 2060 A	12/31/19
[4492]		PIMCO RealPath Blend 2060 Admin	12/31/19
[4493]	PRBMX	PIMCO RealPath Blend 2060 Institutional	12/31/19
[4494]	PLTZX	Principal LifeTime 2060 Institutional	3/1/13
[4495]	PLTAX	Principal LifeTime 2060 J	3/1/13
[4496]	PLTRX	Principal LifeTime 2060 R1	3/1/13
[4497]		Principal LifeTime 2060 R2	3/1/13
[4498]	PLTCX	Principal LifeTime 2060 R3	3/1/13
[4499]	PLTMX	Principal LifeTime 2060 R4	3/1/13
[4500]	PLTOX	Principal LifeTime 2060 R5	3/1/13
[4501]	PLTHX	Principal LifeTime Hybrid 2060 Instl	9/30/14
[4502]	PHJGX	Principal LifeTime Hybrid 2060 J	3/1/18
[4503]		Principal LifeTime Hybrid 2060 R-3	3/1/19
[4504]		Principal LifeTime Hybrid 2060 R-5	3/1/19
[4505]	PLKTX	Principal LifeTime Hybrid 2060 R6	8/24/15
[4506]	PAAVX	Putnam Retirement Advantage 2060 A	9/1/20
[4507]	PAAPX	Putnam Retirement Advantage 2060 C	9/1/20
[4508]	PAAMX	Putnam Retirement Advantage 2060 R	9/1/20
[4509]	PAHJX	Putnam Retirement Advantage 2060 R3	9/1/20
[4510]	PAHKX	Putnam Retirement Advantage 2060 R4	9/1/20
[4511]	PAHLX	Putnam Retirement Advantage 2060 R5	9/1/20
[4512]	PAAKX	Putnam Retirement Advantage 2060 R6	12/31/19
[4513]	PAKJX	Putnam Retirement Advantage 2060 Y	9/1/20
[4514]	PRTFX.lw	Putnam RetirementReady 2060 A LW	11/30/15
[4515]		Putnam RetirementReady 2060 M	11/30/15
[4516]	PRTFX	Putnam Sustainable Retirement 2060 A	11/30/15
[4517]		Putnam Sustainable Retirement 2060 B	11/30/15
[4518]		Putnam Sustainable Retirement 2060 C	11/30/15
[4519]	PRTRX	Putnam Sustainable Retirement 2060 R	11/30/15
[4520]	PAEVX	Putnam Sustainable Retirement 2060 R3	1/4/21

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[4521]	PAEUX	Putnam Sustainable Retirement 2060 R4	1/4/21
[4522]	PAEWX	Putnam Sustainable Retirement 2060 R5	1/4/21
[4523]	PEFGX	Putnam Sustainable Retirement 2060 R6	9/1/16
[4524]	PRTYX	Putnam Sustainable Retirement 2060 Y	11/30/15
[4525]	SWPRX	Schwab Target 2060	8/25/16
[4526]	SWYNX	Schwab Target 2060 Index	8/25/16
[4527]		Schwab Target 2060 Index Investor	8/25/16
[4528]		State Street Target Retirement 2060 A	9/30/14
[4529]	SSDTX.lw	State Street Target Retirement 2060 A LW	9/30/14
[4530]		State Street Target Retirement 2060 C	12/31/15
[4531]	SSDWX	State Street Target Retirement 2060 I	9/30/14
[4532]	SSDYX	State Street Target Retirement 2060 K	9/30/14
[4533]	SSAYX	State Street Target Retirement 2060 R3	2/11/22
[4534]	TRRLX	T. Rowe Price Retirement 2060	6/23/14
[4535]	TRRYX	T. Rowe Price Retirement 2060 Advisor	6/23/14
[4536]	TRLNX	T. Rowe Price Retirement 2060 I	11/13/23
[4537]	TRRZX	T. Rowe Price Retirement 2060 R	6/23/14
[4538]	TRBNX	T. Rowe Price Retirement Blend 2060	7/26/21
[4539]	TBLNX	T. Rowe Price Retirement Blend 2060 I	7/26/21
[4540]		T. Rowe Price Retirement I 2060 I	9/29/15
[4541]	TRTFX	T. Rowe Price Target 2060	6/23/14
[4542]	TRTGX	T. Rowe Price Target 2060 Advisor	6/23/14
[4543]	TTOIX	T. Rowe Price Target 2060 I	2/26/16
[4544]	TCSOX	Transamerica ClearTrack® 2060 R1	7/7/17
[4545]	TCTYX	Transamerica ClearTrack® 2060 R3	3/1/19
[4546]	TCSSX	Transamerica ClearTrack® 2060 R6	7/7/17
[4547]		Vanguard Instl Trgt Retire 2060 Instl	6/26/15
[4548]	VTTSX	Vanguard Target Retirement 2060 Fund	1/19/12
[4549]	URSIX	Victory Target Retirement 2060	7/12/13
[4550]	VTTAX.lw	Virtus DFA 2060 Trgt Date Retire In A LW	1/11/16
[4551]		Virtus DFA 2060 Trgt Date Retire Inc A	1/11/16
[4552]		Virtus DFA 2060 Trgt Date Retire Inc I	1/11/16
[4553]		Virtus DFA 2060 Trgt Date Retire Inc R6	1/11/16
[4554]		Virtus DFA 2060 Trgt Date Retire Inc T	4/13/17
[4555]	VPSAX	Voya Index Solution 2060 Port ADV	2/9/15
[4556]	VISPX	Voya Index Solution 2060 Port I	2/9/15
[4557]	VPISX	Voya Index Solution 2060 Port S	2/9/15
[4558]	VPSSX	Voya Index Solution 2060 Port S2	2/9/15
[4559]	VSZIX	Voya Index Solution 2060 Port Z	5/1/15
[4560]	VSPAX	Voya Solution 2060 Port ADV	2/9/15
[4561]	VSIPX	Voya Solution 2060 Port I	2/9/15
[4562]	VSPSX	Voya Solution 2060 Port S	2/9/15
[4563]	VSSPX	Voya Solution 2060 Port S2	2/9/15
[4564]		Voya Solution 2060 Port T	2/9/15
[4565]	VTRSX	Voya Target Retirement 2060 A	12/21/15
[4566]	VTRSX.lw	Voya Target Retirement 2060 A LW	12/21/15
[4567]	VR SAX	Voya Target Retirement 2060 I	12/21/15
[4568]	VRROX	Voya Target Retirement 2060 R	6/1/18
[4569]	VTRUX	Voya Target Retirement 2060 R6	12/21/15
[4570]	WTDVX.lw	Wells Fargo Dynamic Target 2060 A LW	11/30/15
[4571]		Wells Fargo Dynamic Target 2060 R	11/30/15
[4572]	WFAFX.lw	Wells Fargo Target 2060 A Load Waived	6/30/15
[4573]		AB Multi-Manager Select Retire Allc A	12/15/14
[4574]	TDAAX.lw	AB Multi-Manager Select Retire Allc A LW	12/15/14
[4575]		AB Multi-Manager Select Retire Allc Adv	12/15/14
[4576]		AB Multi-Manager Select Retire Allc C	12/15/14
[4577]		AB Multi-Manager Select Retire Allc I	12/15/14
[4578]		AB Multi-Manager Select Retire Allc K	12/15/14

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[4579]	AB Multi-Manager Select Retire Allc R	12/15/14
[4580]	AB Multi-Manager Select Retire Allc Z	12/15/14
[4581]	AllianzGI Multi Asset Income A	12/29/08
[4582]	AllianzGI Multi Asset Income Admin	12/29/08
[4583]	AllianzGI Multi Asset Income C	12/29/08
[4584]	AllianzGI Multi Asset Income Inst	2/1/18
[4585]	AllianzGI Multi Asset Income P	12/29/08
[4586]	AllianzGI Multi Asset Income R	12/29/08
[4587]	AllianzGI Multi Asset Income R6	12/29/08
[4588] AGRAX.lw	AllianzGI Retirement Income A LW	12/29/08
[4589]	AllianzGI Retirement Income D	12/29/08
[4590]	Allspring Dynamic Target Today A	11/30/15
[4591]	Allspring Dynamic Target Today Admin	8/26/22
[4592]	Allspring Dynamic Target Today C	11/30/15
[4593]	Allspring Dynamic Target Today R4	11/30/15
[4594]	Allspring Dynamic Target Today R6	11/30/15
[4595]	Allspring Target Today A	3/1/94
[4596]	Allspring Target Today Admin	11/8/99
[4597]	Allspring Target Today C	12/1/98
[4598]	Allspring Target Today R	6/28/13
[4599]	Allspring Target Today R4	11/30/12
[4600]	Allspring Target Today R6	6/30/04
[4601] ARTAX	American Century One Choice In Ret A	8/31/04
[4602] ARTAX.lw	American Century One Choice In Ret A LW	8/31/04
[4603] ATTCX	American Century One Choice In Ret C	3/1/10
[4604] ATTIX	American Century One Choice In Ret I	8/31/04
[4605] ARTOX	American Century One Choice In Ret Inv	8/31/04
[4606] ARSRX	American Century One Choice In Ret R	8/31/04
[4607] ARDTX	American Century One Choice In Ret R6	7/31/13
[4608]	American Century One Choice In Ret R6new	7/31/17
[4609] NECPX	American Indep NestEgg A	1/4/99
[4610] NECPX.lw	American Indep NestEgg A Load Waived	1/4/99
[4611] NECNX	American Indep NestEgg C	3/15/06
[4612] NECSX	American Indep NestEgg I	1/4/99
[4613] LERIX	BlackRock LifePath ESG Index Ret Instl	8/18/20
[4614] LERAX	BlackRock LifePath ESG Index Ret Inv A	8/18/20
[4615] LERKX	BlackRock LifePath ESG Index Ret K	8/18/20
[4616] LPRAX.lw	BlackRock LifePath® Dyn Retirement A LW	4/30/01
[4617] STLAX	BlackRock LifePath® Dyn Retirement Instl	3/1/94
[4618] LPRAX	BlackRock LifePath® Dyn Retirement Inv A	4/30/01
[4619] LPCRX	BlackRock LifePath® Dyn Retirement Inv C	5/3/10
[4620] LPSAX	BlackRock LifePath® Dyn Retirement K	5/30/08
[4621] LPRRX	BlackRock LifePath® Dyn Retirement R	5/3/10
[4622] LIRIX	BlackRock LifePath® Index Retire Instl	5/31/11
[4623] LIRAX	BlackRock LifePath® Index Retire Inv A	5/31/11
[4624] LIRPX	BlackRock LifePath® Index Retire Inv P	8/6/18
[4625] LIRKX	BlackRock LifePath® Index Retire K	5/31/11
[4626] BAPBX.lw	BlackRock LifePath® Smart Beta Retr I LW	4/20/07
[4627]	BlackRock LifePath® Smart Beta Retr Ins	11/27/12
[4628]	BlackRock LifePath® Smart Beta Retr InvA	4/20/07
[4629]	BlackRock LifePath® Smart Beta Retr K	4/20/07
[4630]	BlackRock LifePath® Smart Beta Retr R	4/20/07
[4631]	BMO In-Retirement I	8/30/13
[4632]	BMO In-Retirement R3	8/30/13
[4633]	BMO In-Retirement R6	8/30/13
[4634]	BMO In-Retirement Y	8/30/13
[4635] SUCAX	Deutsche LifeCompass Retirement A	12/29/00
[4636] SUCAX.lw	Deutsche LifeCompass Retirement A LW	12/29/00

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[4637] SUCBX	Deutsche LifeCompass Retirement B	12/29/00
[4638] SUCCX	Deutsche LifeCompass Retirement C	12/29/00
[4639] SCPCX	Deutsche LifeCompass Retirement S	11/15/96
[4640] TDIFX	Dimensional Retirement Income Instl	11/2/15
[4641]	DWS Conservative Allocation AARP	9/22/00
[4642] FHAMX	Fidelity Advisor Freedom Blend Inc A	8/31/18
[4643] FHAKX	Fidelity Advisor Freedom Blend Inc C	8/31/18
[4644] FHAJX	Fidelity Advisor Freedom Blend Inc I	8/31/18
[4645] FHALX	Fidelity Advisor Freedom Blend Inc M	8/31/18
[4646] FHAHX	Fidelity Advisor Freedom Blend Inc Z	8/31/18
[4647]	Fidelity Advisor Freedom Blend Inc Z6	8/31/18
[4648] FAFAX	Fidelity Advisor Freedom Income A	7/24/03
[4649]	Fidelity Advisor Freedom Income B	7/24/03
[4650] FCAFX	Fidelity Advisor Freedom Income C	7/24/03
[4651] FIAFX	Fidelity Advisor Freedom Income I	7/24/03
[4652] FEGLX	Fidelity Advisor Freedom Income K6	6/6/17
[4653] FTAFX	Fidelity Advisor Freedom Income M	7/24/03
[4654] FIJUX	Fidelity Advisor Freedom Income Z	10/2/18
[4655] FAFAX.lw	Fidelity Advisor Freedom® Income A LW	7/24/03
[4656] FRAMX.lw	Fidelity Advisor Managed Retirement I A LW	8/30/07
[4657] FRAMX	Fidelity Advisor Managed Retirement Inc A	8/30/07
[4658] FRIMX	Fidelity Advisor Managed Retirement Inc I	8/30/07
[4659]	Fidelity Advisor Managed Retirement Inc Z6	8/1/19
[4660] FRNAX.lw	Fidelity Advisor Simplicity RMD Inc A LW	8/30/07
[4661]	Fidelity Advisor Simplicity RMD Income A	8/30/07
[4662]	Fidelity Advisor Simplicity RMD Income C	8/30/07
[4663]	Fidelity Advisor Simplicity RMD Income I	8/30/07
[4664]	Fidelity Advisor Simplicity RMD Income M	8/30/07
[4665] FSUEX	Fidelity Advisor Sust Trgt Dt Inc A	5/11/23
[4666] FSUFX	Fidelity Advisor Sust Trgt Dt Inc C	5/11/23
[4667] FSUJX	Fidelity Advisor Sust Trgt Dt Inc I	5/11/23
[4668] FSUHX	Fidelity Advisor Sust Trgt Dt Inc M	5/11/23
[4669] FSULX	Fidelity Advisor Sust Trgt Dt Inc Z	5/11/23
[4670]	Fidelity Advisor Sust Trgt Dt Inc Z6	5/11/23
[4671]	Fidelity Advisor® Managed Retirement Inc C	8/30/07
[4672]	Fidelity Advisor® Managed Retirement Inc M	8/30/07
[4673] FTLX	Fidelity Flex Freedom Blend Income	6/8/17
[4674] FHBZX	Fidelity Freedom Blend Inc	8/31/18
[4675] FHHEX	Fidelity Freedom Blend Inc K	8/31/18
[4676] FHRDX	Fidelity Freedom Blend Inc K6	8/31/18
[4677] FFBCX	Fidelity Freedom Blend Inc Premier	4/6/21
[4678] FFFAX	Fidelity Freedom Income	10/17/96
[4679] FNSHX	Fidelity Freedom Income K	7/20/17
[4680] FYTKX	Fidelity Freedom Income K6	6/7/17
[4681] FFGZX	Fidelity Freedom Index Inc Instl Prem	6/24/15
[4682] FIKFX	Fidelity Freedom Index Income Investor	10/2/09
[4683] FAPIX	Fidelity Freedom Index Income Premier	6/24/20
[4684]	Fidelity Freedom K® 2000	7/2/09
[4685]	Fidelity Freedom K® Income	7/2/09
[4686]	Fidelity Freedom® 2000	10/17/96
[4687]	Fidelity Freedom® Index 2000 W	10/2/09
[4688] FIRMX	Fidelity Managed Retirement Inc	8/30/07
[4689] FRKMX	Fidelity Managed Retirement Inc K	8/1/19
[4690] FRHMX	Fidelity Managed Retirement Inc K6	8/1/19
[4691] FIRNX	Fidelity Simplicity RMD Income	8/30/07
[4692] FSUDX	Fidelity Sustainable Target Date Inc Fd	5/11/23
[4693] FSUOX	Fidelity Sustainable Target Date Inc K	5/11/23
[4694] FSUWX	Fidelity Sustainable Target Date Inc K6	5/11/23

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[4695]	Fidelity® Multi-Manager Income	12/20/12
[4696]	Fidelity® Multi-Manager Income L	12/4/13
[4697]	Fidelity® Multi-Manager Income N	12/4/13
[4698] FTRAX	Franklin LifeSmart Retment Inc A	8/1/06
[4699] FLRDX	Franklin LifeSmart Retment Inc Adv	8/1/06
[4700] FRTCX	Franklin LifeSmart Retment Inc C	8/1/06
[4701] FBRLX	Franklin LifeSmart Retment Inc R	8/1/06
[4702] FLMTX	Franklin LifeSmart Retment Inc R6	5/1/13
[4703] FTRAX.lw	Franklin LifeSmart™ Retirement Inc A LW	8/1/06
[4704]	Harbor Target Retirement Income Admin	1/2/09
[4705]	Harbor Target Retirement Income Instl	1/2/09
[4706]	Harbor Target Retirement Income Inv	1/2/09
[4707]	Hartford Retirement Income A	9/30/05
[4708]	Hartford Retirement Income A LW	9/30/05
[4709]	Hartford Retirement Income B	9/30/05
[4710]	Hartford Retirement Income C	9/30/05
[4711]	Hartford Retirement Income R3	12/21/06
[4712]	Hartford Retirement Income R4	12/21/06
[4713]	Hartford Retirement Income R5	12/21/06
[4714]	Hartford Retirement Income Y	9/30/05
[4715]	Invesco Balanced-Risk Retire Now A	1/31/07
[4716] IANAX.lw	Invesco Balanced-Risk Retire Now A LW	1/31/07
[4717]	Invesco Balanced-Risk Retire Now AX	6/1/10
[4718]	Invesco Balanced-Risk Retire Now B	1/31/07
[4719]	Invesco Balanced-Risk Retire Now C	1/31/07
[4720]	Invesco Balanced-Risk Retire Now CX	6/1/10
[4721]	Invesco Balanced-Risk Retire Now R	1/31/07
[4722]	Invesco Balanced-Risk Retire Now R5	1/31/07
[4723]	Invesco Balanced-Risk Retire Now R6	9/24/12
[4724]	Invesco Balanced-Risk Retire Now RX	6/1/10
[4725]	Invesco Balanced-Risk Retire Now Y	10/3/08
[4726]	Invesco Peak Retirement Destination A	12/29/17
[4727]	Invesco Peak Retirement Destination C	12/29/17
[4728]	Invesco Peak Retirement Destination R	12/29/17
[4729]	Invesco Peak Retirement Destination R5	12/29/17
[4730]	Invesco Peak Retirement Destination Y	12/29/17
[4731]	Invesco Peak Retirement DestinationR6	12/29/17
[4732]	JHancock Income Presv Blend Ptf 1	4/30/10
[4733]	JHancock Income Presv Blend Ptf R2	9/4/12
[4734]	JHancock Income Presv Blend Ptf R4	5/1/12
[4735]	JHancock Income Presv Blend Ptf R6	9/4/12
[4736]	JHancock Income Prsrvtn Blend Pft I	10/22/21
[4737]	JHancock Multi-Index Income Presv A	6/24/15
[4738]	JHancock Multi-Index Income Presv I	6/24/15
[4739]	JHancock Multi-Index Income Presv R1	9/4/12
[4740]	JHancock Multi-Index Income Presv R3	6/21/16
[4741]	JHancock Multi-Index Income Presv R5	6/21/16
[4742]	JHancock Multi-Index Income PresvA	7/7/21
[4743] JLROX	JHancock2 Lifecycle Retirement 1	10/27/06
[4744] JLRAX	JHancock2 Lifecycle Retirement A	10/27/06
[4745] JLRAX.lw	JHancock2 Lifecycle Retirement A LW	10/27/06
[4746] JLRBX	JHancock2 Lifecycle Retirement B	10/27/06
[4747] JLRCX	JHancock2 Lifecycle Retirement C	10/27/06
[4748] JLRRX	JHancock2 Lifecycle Retirement R	10/27/06
[4749] JLRDX	JHancock2 Lifecycle Retirement R1	10/27/06
[4750] JLRFX	JHancock2 Lifecycle Retirement R2	10/27/06
[4751] JLRFX	JHancock2 Lifecycle Retirement R3	10/27/06
[4752] JLRGX	JHancock2 Lifecycle Retirement R4	10/27/06



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[4753]	JLRHX	JHancock2 Lifecycle Retirement R5	10/27/06
[4754]	JRDAX	JHancock2 Retirement Distribution A	1/2/08
[4755]	JRDAX.lw	JHancock2 Retirement Distribution A LW	1/2/08
[4756]	JRRAX	JHancock2 Retirement Rising Dist A	12/31/07
[4757]	JRRAX.lw	JHancock2 Retirement Rising Dist A LW	12/31/07
[4758]		JPMorgan SmartRetirement® Blend Inc A	7/2/12
[4759]		JPMorgan SmartRetirement® Blend Inc C	7/2/12
[4760]	JIJSX	JPMorgan SmartRetirement® Blend Income I	7/2/12
[4761]	JIRBX	JPMorgan SmartRetirement® Blend IncomeR2	7/2/12
[4762]	JITLX	JPMorgan SmartRetirement® Blend IncomeR3	5/31/17
[4763]	JITKX	JPMorgan SmartRetirement® Blend IncomeR4	5/31/17
[4764]	JIBBX	JPMorgan SmartRetirement® Blend IncomeR5	7/2/12
[4765]	JIYBX	JPMorgan SmartRetirement® Blend IncomeR6	7/2/12
[4766]	JSRAX	JPMorgan SmartRetirement® Income A	5/15/06
[4767]	JSRAX.lw	JPMorgan SmartRetirement® Income A LW	5/15/06
[4768]	JSRCX	JPMorgan SmartRetirement® Income C	5/15/06
[4769]	JSRSX	JPMorgan SmartRetirement® Income I	5/15/06
[4770]	JSIZX	JPMorgan SmartRetirement® Income R2	11/3/08
[4771]	JSIPX	JPMorgan SmartRetirement® Income R3	9/9/16
[4772]	JSIQX	JPMorgan SmartRetirement® Income R4	9/9/16
[4773]	JSIIX	JPMorgan SmartRetirement® Income R5	5/15/06
[4774]	JSIYX	JPMorgan SmartRetirement® Income R6	11/3/14
[4775]		KP Retirement Path Retirement Income Ins	1/10/14
[4776]	MTDCX	Manning & Napier Target Income C	3/28/08
[4777]		Manning & Napier Target Income I	3/28/08
[4778]		Manning & Napier Target Income K	3/28/08
[4779]		Manning & Napier Target Income R	3/28/08
[4780]		Manning & Napier Target Income R6	10/16/17
[4781]	MRDAX	MassMutual RetireSMART by JPM In Ret A	12/31/03
[4782]	MDRYX	MassMutual RetireSMART by JPM In Ret Adm	12/31/03
[4783]	MDRVX	MassMutual RetireSMART by JPM In Ret I	4/1/14
[4784]	MDRNX	MassMutual RetireSMART by JPM In Ret R3	12/31/03
[4785]	MDRZX	MassMutual RetireSMART by JPM In Ret R4	4/1/14
[4786]	MDRTX	MassMutual RetireSMART by JPM In Ret R5	4/1/14
[4787]	MDRSX	MassMutual RetireSMART by JPM In Ret Svc	12/31/03
[4788]	MRDAX.lw	MassMutual RetireSMART In Retirement A LW	12/31/03
[4789]	MDRLX	MassMutual RetireSMART In Retirement L	12/31/03
[4790]		MFS Lifetime Income 529A	1/8/15
[4791]		MFS Lifetime Income 529B	1/8/15
[4792]		MFS Lifetime Income 529C	1/8/15
[4793]	MLLAX	MFS Lifetime Income A	9/29/05
[4794]	MLLAX.lw	MFS Lifetime Income A Load Waived	9/29/05
[4795]	MLLBX	MFS Lifetime Income B	9/29/05
[4796]	MLLCX	MFS Lifetime Income C	9/29/05
[4797]	MLLIX	MFS Lifetime Income I	9/29/05
[4798]	MLLEX	MFS Lifetime Income R1	9/29/05
[4799]	MLLGX	MFS Lifetime Income R2	9/29/05
[4800]	MLLHX	MFS Lifetime Income R3	9/29/05
[4801]	MLLJX	MFS Lifetime Income R4	9/29/05
[4802]	MLLKX	MFS Lifetime Income R6	8/29/16
[4803]		MFS Lifetime Retirement Income R2	9/29/05
[4804]	MARMX	MoA Retirement Income Fund	11/5/07
[4805]	NWEAX.lw	Nationwide Destination 2015 A LW	8/29/07
[4806]		Nationwide Destination 2015 C	8/29/07
[4807]		Nationwide Destination 2015 R1	8/29/07
[4808]	NWEAX	Nationwide Destination Ret A	8/29/07
[4809]	NWESX	Nationwide Destination Ret Instl Svc	8/29/07
[4810]	NWEBX	Nationwide Destination Ret R	8/29/07



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[4811] NWEIX	Nationwide Destination Ret R6	8/29/07
[4812]	Nationwide Retirement Income A	8/29/07
[4813]	Nationwide Retirement Income A LW	8/29/07
[4814]	Nationwide Retirement Income C	8/29/07
[4815]	Nationwide Retirement Income Instl	8/29/07
[4816]	Nationwide Retirement Income Instl Svc	8/29/07
[4817]	Nationwide Retirement Income R	8/29/07
[4818]	Nationwide Retirement Income R1	8/29/07
[4819] PDADX	PGIM Target Date Income R1	12/13/16
[4820] PDAEX	PGIM Target Date Income R2	12/13/16
[4821] PDAFX	PGIM Target Date Income R3	12/13/16
[4822] PDAGX	PGIM Target Date Income R4	12/13/16
[4823] PDAHx	PGIM Target Date Income R5	12/13/16
[4824] PDAJX	PGIM Target Date Income R6	12/13/16
[4825] PCIAx	PIMCO Real Income 2019 A	10/30/09
[4826] PCIAx.lw	PIMCO Real Income 2019 A Load Waived	10/30/09
[4827] PRLCX	PIMCO Real Income 2019 C	10/30/09
[4828] PRLDX	PIMCO Real Income 2019 D	10/30/09
[4829] PRIFX	PIMCO Real Income 2019 Instl	10/30/09
[4830] PICPX	PIMCO Real Income 2019 P	10/30/09
[4831] POIAX	PIMCO Real Income 2029 A	10/30/09
[4832] POIAX.lw	PIMCO Real Income 2029 A Load Waived	10/30/09
[4833] PORCX	PIMCO Real Income 2029 C	10/30/09
[4834] PORDX	PIMCO Real Income 2029 D	10/30/09
[4835] PRIIX	PIMCO Real Income 2029 Instl	10/30/09
[4836] PRQCX	PIMCO Real Income 2029 P	10/30/09
[4837] PBRAX	PIMCO RealPath Blend Income A	12/31/14
[4838] PBRAX.lw	PIMCO RealPath Blend Income A LW	12/31/14
[4839]	PIMCO RealPath Blend Income Admin	12/31/14
[4840] PBRNX	PIMCO RealPath Blend Income Instl	12/31/14
[4841]	PIMCO RealPath™ Income A	3/31/08
[4842] PTNAX.lw	PIMCO RealPath™ Income A Load Waived	3/31/08
[4843]	PIMCO RealPath™ Income Administrative	6/30/08
[4844]	PIMCO RealPath™ Income C	7/31/08
[4845]	PIMCO RealPath™ Income D	3/31/08
[4846]	PIMCO RealPath™ Income Institutional	3/31/08
[4847]	PIMCO RealPath™ Income P	10/31/11
[4848]	PIMCO RealPath™ Income R	7/31/08
[4849]	PNC Retirement Income I	9/28/12
[4850]	PNC Retirement Income T	4/28/15
[4851] PHTFX	Principal LifeTime Hybrid Income Instl	9/30/14
[4852] PHJFX	Principal LifeTime Hybrid Income J	3/1/18
[4853]	Principal LifeTime Hybrid Income R-3	3/1/19
[4854]	Principal LifeTime Hybrid Income R-5	3/1/19
[4855] PLTYX	Principal LifeTime Hybrid Income R6	8/24/15
[4856] PALTX	Principal LifeTime Strategic Inc A	6/28/05
[4857] PALTX.lw	Principal LifeTime Strategic Inc A LW	6/28/05
[4858]	Principal LifeTime Strategic Inc B	3/15/06
[4859]	Principal LifeTime Strategic Inc C	1/16/07
[4860] PLSIX	Principal LifeTime Strategic Inc Instl	3/1/01
[4861] PLSJX	Principal LifeTime Strategic Inc J	6/15/01
[4862] PLAIX	Principal LifeTime Strategic Inc R1	11/1/04
[4863]	Principal LifeTime Strategic Inc R2	3/1/01
[4864] PLSMX	Principal LifeTime Strategic Inc R3	3/1/01
[4865] PLSSX	Principal LifeTime Strategic Inc R4	3/1/01
[4866] PLSPX	Principal LifeTime Strategic Inc R5	3/1/01
[4867] POMGX	Putnam Retirement Advantage Maturity A	9/1/20
[4868] PLFGX	Putnam Retirement Advantage Maturity C	9/1/20

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[4869]	PAKYX	Putnam Retirement Advantage Maturity R	9/1/20
[4870]	PAHMX	Putnam Retirement Advantage Maturity R3	9/1/20
[4871]	PAHNX	Putnam Retirement Advantage Maturity R4	9/1/20
[4872]	PAHOX	Putnam Retirement Advantage Maturity R5	9/1/20
[4873]	PADLX	Putnam Retirement Advantage Maturity R6	12/31/19
[4874]	PAETX	Putnam Retirement Advantage Maturity Y	9/1/20
[4875]	PRMAX.lw	Putnam Retirement Inc Lifestyle 1 A LW	11/1/04
[4876]		Putnam Retirement Inc Lifestyle 1 M	11/1/04
[4877]	PRMAX	Putnam Sustainable Retirement Mat A	11/1/04
[4878]	PRMLX	Putnam Sustainable Retirement Mat B	11/1/04
[4879]	PRMCX	Putnam Sustainable Retirement Mat C	11/1/04
[4880]	PRMKX	Putnam Sustainable Retirement Mat R	11/1/04
[4881]	PACKX	Putnam Sustainable Retirement Mat R3	1/4/21
[4882]	PACPX	Putnam Sustainable Retirement Mat R4	1/4/21
[4883]	PACQX	Putnam Sustainable Retirement Mat R5	1/4/21
[4884]	PREWX	Putnam Sustainable Retirement Mat R6	9/1/16
[4885]	PRMYX	Putnam Sustainable Retirement Mat Y	11/1/04
[4886]	LMPAX	QS Legg Mason Target Retirement A	8/29/08
[4887]	LMPAX.lw	QS Legg Mason Target Retirement A LW	8/29/08
[4888]	LMRCX	QS Legg Mason Target Retirement C	8/29/08
[4889]	LMRPX	QS Legg Mason Target Retirement FI	8/29/08
[4890]	LMIMX	QS Legg Mason Target Retirement I	8/29/08
[4891]	LMRSX	QS Legg Mason Target Retirement IS	8/29/08
[4892]	LMERX	QS Legg Mason Target Retirement R	8/29/08
[4893]	RADAX.lw	Russell 2017 Accelerated Distributi A LW	12/31/07
[4894]	RADAX	Russell 2017 Accelerated Distribution A	12/31/07
[4895]	RADSX	Russell 2017 Accelerated Distribution S	12/31/07
[4896]	RRDAX.lw	Russell 2017 Retirement Distributio A LW	12/31/07
[4897]	RRDAX	Russell 2017 Retirement Distribution A	12/31/07
[4898]	RRDSX	Russell 2017 Retirement Distribution S	12/31/07
[4899]		Russell 2027 Extended Distribution A	12/31/07
[4900]		Russell 2027 Extended Distribution A LW	12/31/07
[4901]		Russell 2027 Extended Distribution S	12/31/07
[4902]	RZLAX.lw	Russell Inv LifePoints In Retirement A LW	2/25/11
[4903]		Russell Inv LifePoints In Retirement A	2/25/11
[4904]		Russell Inv LifePoints In Retirement R1	3/31/08
[4905]		Russell Inv LifePoints In Retirement R4	3/31/08
[4906]		Russell Inv LifePoints In Retirement R5	3/31/08
[4907]		Russell LifePoints In Retirement R4 {mg}	10/1/14
[4908]		Russell LifePoints In Retirement R5 {mg}	10/1/14
[4909]	SWARX	Schwab Retirement Income	6/30/05
[4910]	SHVAX	Seligman TargETFund Core A	10/3/05
[4911]	SHVAX.lw	Seligman TargETFund Core A Load Waived	10/3/05
[4912]	SHVCX	Seligman TargETFund Core C	10/3/05
[4913]		Seligman TargETFund Core D	10/3/05
[4914]	SHVRX	Seligman TargETFund Core R	10/3/05
[4915]	SHVIX	Seligman TargETFund Core R5	10/3/05
[4916]		State Farm LifePath Retirement A	5/1/06
[4917]	NILAX.lw	State Farm LifePath Retirement A LW	5/1/06
[4918]		State Farm LifePath Retirement B	5/1/06
[4919]		State Farm LifePath Retirement Inst	5/9/03
[4920]		State Farm LifePath Retirement Legacy B	5/9/03
[4921]	SLRAX.lw	State Farm LifePath Retirement Premie LW	5/9/03
[4922]		State Farm LifePath Retirement Premier	5/9/03
[4923]		State Farm LifePath Retirement R1	9/13/04
[4924]		State Farm LifePath Retirement R2	9/13/04
[4925]		State Farm LifePath Retirement R3	9/13/04
[4926]		State Street Target Retirement A	9/30/14

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[4927]	SSFLX.lw	State Street Target Retirement A LW	9/30/14
[4928]		State Street Target Retirement C	12/31/15
[4929]	SSFNX	State Street Target Retirement I	9/30/14
[4930]	SSFOX	State Street Target Retirement K	9/30/14
[4931]	SSFQX	State Street Target Retirement R3	2/25/22
[4932]	TCITX	Transamerica ClearTrack® Rtm Inc R1	3/2/15
[4933]	TCTZX	Transamerica ClearTrack® Rtm Inc R3	3/1/19
[4934]	TCJTX	Transamerica ClearTrack® Rtm Inc R6	3/2/15
[4935]		Van Kampen In Retirement Strategy A	10/23/08
[4936]		Van Kampen In Retirement Strategy A LW	10/23/08
[4937]		Van Kampen In Retirement Strategy C	10/23/08
[4938]	VIRIX	Van Kampen In Retirement Strategy I	10/23/08
[4939]		Van Kampen In Retirement Strategy R	10/23/08
[4940]		Vanguard Instl Trgt Retire Inc Instl	6/26/15
[4941]	VPDFX	Vanguard Managed Payout Dis Focus Inv	5/2/08
[4942]	VPGFX	Vanguard Managed Payout Gr Focus Inv	5/2/08
[4943]	VTINX	Vanguard Target Retirement Income Fund	10/27/03
[4944]		Vantagepoint Milestone Retire Inc Inv M	1/3/05
[4945]		Vantagepoint Milestone Retire Inc TM	3/1/13
[4946]	URINX	Victory Target Retirement Income	7/31/08
[4947]	ISKAX	Voya Index Solution Income Port ADV	3/10/08
[4948]	ISKIX	Voya Index Solution Income Port I	3/10/08
[4949]	ISKSX	Voya Index Solution Income Port S	3/10/08
[4950]	IIIPX	Voya Index Solution Income Port S2	5/28/09
[4951]		Voya Index Solution Income Port T	3/10/08
[4952]	VSZJX	Voya Index Solution Income Port Z	5/1/15
[4953]	ISWAX	Voya Solution Income Port ADV	4/29/05
[4954]	ISWIX	Voya Solution Income Port I	4/29/05
[4955]	ISWSX	Voya Solution Income Port S	4/29/05
[4956]	IJKBX	Voya Solution Income Port S2	5/28/09
[4957]		Voya Solution Income Port T	8/31/05
[4958]	VTRVX	Voya Target In-Retirement A	12/21/15
[4959]	VTRVX.lw	Voya Target In-Retirement A Load Waived	12/21/15
[4960]	ISOLX	Voya Target In-Retirement I	12/20/12
[4961]	VRRFX	Voya Target In-Retirement R	6/1/18
[4962]	VTRWX	Voya Target In-Retirement R6	12/21/15
[4963]	WFBTX	Wells Fargo Advantage DJ Target Tod Inv	1/31/07
[4964]		Wells Fargo Dow Jones Target Today B	8/3/98
[4965]	WDYAX.lw	Wells Fargo Dynamic Target Today A LW	11/30/15
[4966]		Wells Fargo Dynamic Target Today R	11/30/15
[4967]	STWRX.lw	Wells Fargo Target Today A Load Waived	3/1/94

# EXHIBIT 4

**Exhibit 4 - Fidelity Freedom K® TDFs Potential Alternative Funds**

Source: Morningstar Direct

	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[1]		Allspring Target 2010 R6	6/29/04
[2]		Allspring Target 2015 R6	6/29/07
[3]		Allspring Target 2020 R6	6/30/04
[4]		Allspring Target 2025 R6	6/29/07
[5]		Allspring Target 2030 R6	6/30/04
[6]		Allspring Target 2035 R6	6/29/07
[7]		Allspring Target 2040 R6	6/30/04
[8]		Allspring Target 2045 R6	6/29/07
[9]		Allspring Target 2050 R6	6/29/07
[10]		Allspring Target 2055 R6	7/1/11
[11]		Allspring Target 2060 R6	6/30/15
[12]		Allspring Target Today R6	6/30/04
[13]	ARNIX	American Century One Choice 2015 Instl	8/31/04
[14]	ARBVX	American Century One Choice 2020 I	5/30/08
[15]	ARWFX	American Century One Choice 2025 I	8/31/04
[16]	ARCSX	American Century One Choice 2030 I	5/30/08
[17]	ARLIX	American Century One Choice 2035 I	8/31/04
[18]	ARDSX	American Century One Choice 2040 I	5/30/08
[19]	AOOIX	American Century One Choice 2045 I	8/31/04
[20]	ARFSX	American Century One Choice 2050 I	5/30/08
[21]	ARENX	American Century One Choice 2055 I	3/31/11
[22]	ARGNX	American Century One Choice 2060 I	9/30/15
[23]	ATTIX	American Century One Choice In Ret I	8/31/04
[24]	RFTTX	American Funds 2010 Trgt Date Retire R6	7/13/09
[25]	RFJTX	American Funds 2015 Trgt Date Retire R6	7/13/09
[26]	RRCTX	American Funds 2020 Trgt Date Retire R6	7/13/09
[27]	RFDTX	American Funds 2025 Trgt Date Retire R6	7/13/09
[28]	RFETX	American Funds 2030 Trgt Date Retire R6	7/13/09
[29]	RFFTXX	American Funds 2035 Trgt Date Retire R6	7/13/09
[30]	RFGTX	American Funds 2040 Trgt Date Retire R6	7/27/09
[31]	RFHTX	American Funds 2045 Trgt Date Retire R6	7/13/09
[32]	RFITX	American Funds 2050 Trgt Date Retire R6	7/13/09
[33]	RFKTX	American Funds 2055 Trgt Date Retire R6	2/1/10
[34]	RFUTX	American Funds 2060 Trgt Date Retire R6	3/27/15
[35]	LIMKX	BlackRock LifePath® Index 2020 K	5/31/11
[36]	LIBKX	BlackRock LifePath® Index 2025 K	5/31/11
[37]	LINKX	BlackRock LifePath® Index 2030 K	5/31/11
[38]	LIJKX	BlackRock LifePath® Index 2035 K	5/31/11
[39]	LIKKX	BlackRock LifePath® Index 2040 K	5/31/11
[40]	LIHKX	BlackRock LifePath® Index 2045 K	5/31/11
[41]	LIPKX	BlackRock LifePath® Index 2050 K	5/31/11
[42]	LIVKX	BlackRock LifePath® Index 2055 K	5/31/11
[43]	LIZKX	BlackRock LifePath® Index 2060 K	2/29/16
[44]	LIRKX	BlackRock LifePath® Index Retire K	5/31/11
[45]	FFFVX	Fidelity Freedom 2005	11/6/03
[46]	FFFCX	Fidelity Freedom 2010	10/17/96
[47]	FFVFX	Fidelity Freedom 2015	11/6/03
[48]	FFFDX	Fidelity Freedom 2020	10/17/96
[49]	FFTWX	Fidelity Freedom 2025	11/6/03
[50]	FFEX	Fidelity Freedom 2030	10/17/96
[51]	FFTHX	Fidelity Freedom 2035	11/6/03
[52]	FFFFX	Fidelity Freedom 2040	9/6/00
[53]	FFFGX	Fidelity Freedom 2045	6/1/06
[54]	FFFHX	Fidelity Freedom 2050	6/1/06
[55]	FDEEX	Fidelity Freedom 2055	6/1/11
[56]	FDKVX	Fidelity Freedom 2060	8/5/14
[57]	FFFAX	Fidelity Freedom Income	10/17/96

	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[58]	JLAIX	JHancock Multimanager 2010 Lifetime R6	9/1/11
[59]	JLBJX	JHancock Multimanager 2015 Lifetime R6	9/1/11
[60]	JLDIX	JHancock Multimanager 2020 Lifetime R6	9/1/11
[61]	JLEIX	JHancock Multimanager 2025 Lifetime R6	9/1/11
[62]	JLFIX	JHancock Multimanager 2030 Lifetime R6	9/1/11
[63]	JLHIX	JHancock Multimanager 2035 Lifetime R6	9/1/11
[64]	JLIIX	JHancock Multimanager 2040 Lifetime R6	9/1/11
[65]	JLJIX	JHancock Multimanager 2045 Lifetime R6	9/1/11
[66]	JLKRX	JHancock Multimanager 2050 Lifetime R6	3/1/12
[67]	JLKTIX	JHancock Multimanager 2055 Lifetime R6	3/26/14
[68]	JESRX	JHancock Multimanager 2060 Lifetime R6	3/30/16
[69]	JSFYX	JPMorgan SmartRetirement® 2015 R6	11/3/14
[70]	JTTYX	JPMorgan SmartRetirement® 2020 R6	11/3/14
[71]	JNSYX	JPMorgan SmartRetirement® 2025 R6	11/3/14
[72]	JSMYX	JPMorgan SmartRetirement® 2030 R6	11/3/14
[73]	SRJYX	JPMorgan SmartRetirement® 2035 R6	11/3/14
[74]	SMTYX	JPMorgan SmartRetirement® 2040 R6	11/3/14
[75]	JSAYX	JPMorgan SmartRetirement® 2045 R6	11/3/14
[76]	JTSYX	JPMorgan SmartRetirement® 2050 R6	11/3/14
[77]	JFFYX	JPMorgan SmartRetirement® 2055 R6	11/3/14
[78]	JAKYX	JPMorgan SmartRetirement® 2060 R6	8/31/16
[79]	JSIYX	JPMorgan SmartRetirement® Income R6	11/3/14
[80]	TCLEX	Nuveen Lifecycle 2010 Retirement	10/15/04
[81]	TCLIX	Nuveen Lifecycle 2015 Retirement	10/15/04
[82]	TCLTX	Nuveen Lifecycle 2020 Retirement	10/15/04
[83]	TCLFX	Nuveen Lifecycle 2025 Retirement	10/15/04
[84]	TCLNX	Nuveen Lifecycle 2030 Retirement	10/15/04
[85]	TCLRXX	Nuveen Lifecycle 2035 Retirement	10/15/04
[86]	TCLOX	Nuveen Lifecycle 2040 Retirement	10/15/04
[87]	TTFRX	Nuveen Lifecycle 2045 Retirement	11/30/07
[88]	TLFRX	Nuveen Lifecycle 2050 Retirement	11/30/07
[89]	TTRLX	Nuveen Lifecycle 2055 Retirement	4/29/11
[90]	TLXRX	Nuveen Lifecycle 2060 Retirement	9/26/14
[91]	PTTIX	Principal LifeTime 2010 Institutional	3/1/01
[92]	LTINX	Principal LifeTime 2015 Institutional	2/29/08
[93]	PLWIX	Principal LifeTime 2020 Institutional	3/1/01
[94]	LTSTX	Principal LifeTime 2025 Institutional	2/29/08
[95]	PMTIX	Principal LifeTime 2030 Institutional	3/1/01
[96]	LTUUX	Principal LifeTime 2035 Institutional	2/29/08
[97]	PTDIX	Principal LifeTime 2040 Institutional	3/1/01
[98]	LTRIX	Principal LifeTime 2045 Institutional	2/29/08
[99]	PPLIX	Principal LifeTime 2050 Institutional	3/1/01
[100]	LTFIX	Principal LifeTime 2055 Institutional	2/29/08
[101]	PLTZX	Principal LifeTime 2060 Institutional	3/1/13
[102]	PLSIX	Principal LifeTime Strategic Inc Instl	3/1/01
[103]	SWBRX	Schwab Target 2010	7/1/05
[104]	SWGRX	Schwab Target 2015	3/12/08
[105]	SWCRX	Schwab Target 2020	7/1/05
[106]	SWHRX	Schwab Target 2025	3/12/08
[107]	SWDRX	Schwab Target 2030	7/1/05
[108]	SWIRX	Schwab Target 2035	3/12/08
[109]	SWERX	Schwab Target 2040	7/1/05
[110]	SWMRX	Schwab Target 2045	1/23/13
[111]	SWNRX	Schwab Target 2050	1/23/13
[112]	SWORX	Schwab Target 2055	1/23/13
[113]	SWPRX	Schwab Target 2060	8/25/16
[114]	TRRFX	T. Rowe Price Retirement 2005	2/27/04
[115]	TRRAX	T. Rowe Price Retirement 2010	9/30/02
[116]	TRRGX	T. Rowe Price Retirement 2015	2/27/04
[117]	TRRBX	T. Rowe Price Retirement 2020	9/30/02
[118]	TRRHX	T. Rowe Price Retirement 2025	2/27/04
[119]	TRRCX	T. Rowe Price Retirement 2030	9/30/02



Exhibit 4

	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[120]	TRRJX	T. Rowe Price Retirement 2035	2/27/04
[121]	TRRDX	T. Rowe Price Retirement 2040	9/30/02
[122]	TRRKX	T. Rowe Price Retirement 2045	5/31/05
[123]	TRRMX	T. Rowe Price Retirement 2050	12/29/06
[124]	TRRNX	T. Rowe Price Retirement 2055	12/29/06
[125]	TRRLX	T. Rowe Price Retirement 2060	6/23/14
[126]	VTOVX	Vanguard Target Retirement 2005 Inv	10/27/03
[127]	VTENX	Vanguard Target Retirement 2010 Inv	6/7/06
[128]	VTXVX	Vanguard Target Retirement 2015 Fund	10/27/03
[129]	VTWNX	Vanguard Target Retirement 2020 Fund	6/7/06
[130]	VTTVX	Vanguard Target Retirement 2025 Fund	10/27/03
[131]	VTHRX	Vanguard Target Retirement 2030 Fund	6/7/06
[132]	VTTHX	Vanguard Target Retirement 2035 Fund	10/27/03
[133]	VFORX	Vanguard Target Retirement 2040 Fund	6/7/06
[134]	VTIVX	Vanguard Target Retirement 2045 Fund	10/27/03
[135]	VFIFX	Vanguard Target Retirement 2050 Fund	6/7/06
[136]	VFFVX	Vanguard Target Retirement 2055 Fund	8/18/10
[137]	VTTSX	Vanguard Target Retirement 2060 Fund	1/19/12
[138]	VTINX	Vanguard Target Retirement Income Fund	10/27/03

# EXHIBIT 5

**Exhibit 5 - Fidelity Freedom K® TDFs Potential Alternative Funds - Metrics from December 31, 2015 through March 31, 2017**

Source: Morningstar Direct

		[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]
		Q4 2015													
		Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
Tickers	Fund Name		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
[1]	Allspring Target 2010 R6	0.46	3.34	3.60	(3.15)	(3.15)	1.78	3.08	0.53	0.84	(0.98)	0.14	(1.10)	(0.69)	
[2]	Allspring Target 2015 R6	0.45	3.75	4.35	(3.22)	(4.53)	2.59	3.61	0.69	0.82	(0.75)	0.15	(1.07)	(0.67)	
[3]	Allspring Target 2020 R6	0.27	4.64	5.56	(4.20)	(7.35)	3.77	4.35	0.81	0.78	(0.63)	0.03	(1.06)	(0.67)	
[4]	Allspring Target 2025 R6	0.30	5.70	7.05	(5.41)	(10.42)	5.03	5.15	0.88	0.74	(0.47)	(0.12)	(1.01)	(0.67)	
[5]	Allspring Target 2030 R6	0.27	6.92	8.61	(6.69)	(13.55)	6.26	5.84	0.91	0.70	(0.49)	(0.36)	(0.96)	(0.73)	
[6]	Allspring Target 2035 R6	0.31	8.07	9.95	(8.30)	(15.96)	7.18	6.37	0.90	0.66	(0.62)	(0.63)	(0.85)	(0.78)	
[7]	Allspring Target 2040 R6	0.28	8.97	10.96	(9.54)	(17.64)	7.89	6.75	0.89	0.65	(0.73)	(0.80)	(0.65)	(0.70)	
[8]	Allspring Target 2045 R6	0.37	9.58	11.47	(10.31)	(18.30)	8.24	6.95	0.87	0.64	(0.88)	(0.85)	(0.58)	(0.67)	
[9]	Allspring Target 2050 R6	0.31	9.67	11.52	(10.60)	(18.34)	8.28	6.99	0.87	0.64	(0.86)	(0.82)	(0.72)	(0.73)	
[10]	Allspring Target 2055 R6	0.62	9.67	N.A.	(10.56)	N.A.	8.24	N.A.	0.86	N.A.	(0.87)	N.A.	(0.86)	N.A.	
[11]	Allspring Target 2060 R6	0.57	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[12]	Allspring Target Today R6	0.44	3.02	3.09	(3.16)	(3.16)	1.25	2.71	0.41	0.86	(1.17)	(0.12)	(1.21)	(0.79)	
[13]	Allspring Target R6 Average	0.39	6.67	7.62	(6.83)	(11.24)	5.50	5.18	0.78	0.73	(0.77)	(0.34)	(0.92)	(0.71)	
[14]	ARNIX American Century One Choice 2015 Instl	0.56	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[15]	ARBVX American Century One Choice 2020 I	0.63	5.78	6.78	(5.41)	(9.19)	5.95	6.39	1.02	0.94	0.15	0.95	(0.60)	0.07	
[16]	ARWFX American Century One Choice 2025 I	0.61	6.26	7.40	(5.97)	(10.40)	6.49	6.71	1.03	0.91	0.28	1.06	(0.57)	0.01	
[17]	ARCSX American Century One Choice 2030 I	0.63	6.80	8.11	(6.55)	(11.70)	7.19	7.12	1.05	0.88	0.44	1.16	(0.47)	0.03	
[18]	ARLIX American Century One Choice 2035 I	0.67	7.40	8.83	(7.14)	(13.09)	8.01	7.61	1.07	0.87	0.72	1.24	(0.24)	0.12	
[19]	ARDSX American Century One Choice 2040 I	0.69	7.98	9.56	(7.84)	(14.42)	8.65	8.02	1.08	0.85	0.85	1.25	(0.05)	0.24	
[20]	AOOIX American Century One Choice 2045 I	0.72	8.54	10.19	(8.36)	(15.30)	9.17	8.33	1.07	0.83	0.89	1.22	0.12	0.35	
[21]	ARFSX American Century One Choice 2050 I	0.74	8.80	10.50	(8.70)	(15.86)	9.36	8.44	1.06	0.82	0.88	1.15	0.04	0.30	
[22]	ARENX American Century One Choice 2055 I	0.75	9.03	N.A.	(9.01)	N.A.	9.61	N.A.	1.06	N.A.	0.96	N.A.	0.07	N.A.	
[23]	ARGNX American Century One Choice 2060 I	0.76	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[24]	ATTIX American Century One Choice In Ret I	0.61	5.25	5.88	(5.03)	(7.10)	5.31	5.99	1.00	1.01	0.66	(0.05)	0.90	0.75	
[25]	American Century One Choice I Average	0.67	7.32	8.41	(7.11)	(12.13)	7.75	7.32	1.05	0.89	0.65	1.00	(0.09)	0.23	
[26]	RFTTX American Funds 2010 Trgt Date Retire R6	0.29	5.54	5.78	(5.20)	(6.76)	6.02	6.43	1.08	1.10	0.68	1.16	1.16	1.23	
[27]	RFJTX American Funds 2015 Trgt Date Retire R6	0.30	5.98	6.61	(5.14)	(8.96)	7.04	6.96	1.16	1.04	1.06	1.36	1.38	1.14	
[28]	RRCTX American Funds 2020 Trgt Date Retire R6	0.31	6.73	7.63	(5.63)	(11.15)	8.28	7.72	1.21	1.01	1.47	1.59	1.71	1.26	
[29]	RFDTX American Funds 2025 Trgt Date Retire R6	0.32	7.81	9.23	(6.47)	(14.40)	9.75	8.63	1.23	0.94	1.93	1.62	1.93	1.57	
[30]	RFETX American Funds 2030 Trgt Date Retire R6	0.33	8.70	10.09	(7.97)	(15.61)	10.56	9.10	1.20	0.91	1.84	1.73	2.00	1.53	
[31]	RFFTXX American Funds 2035 Trgt Date Retire R6	0.35	9.06	10.36	(8.58)	(15.99)	10.69	9.13	1.16	0.89	1.69	1.71	1.82	1.31	
[32]	RFGTX American Funds 2040 Trgt Date Retire R6	0.37	9.25	10.55	(8.77)	(16.34)	10.87	9.22	1.16	0.89	1.75	1.77	1.76	1.16	
[33]	RFHTX American Funds 2045 Trgt Date Retire R6	0.37	9.31	10.59	(8.87)	(16.37)	10.89	9.24	1.15	0.88	1.80	1.84	1.46	0.95	
[34]	RFITX American Funds 2050 Trgt Date Retire R6	0.38	9.37	10.63	(8.91)	(16.38)	10.91	9.25	1.15	0.88	1.80	1.83	1.23	0.79	
[35]	RFKTX American Funds 2055 Trgt Date Retire R6	0.38	9.37	10.66	(8.88)	(16.45)	10.88	9.23	1.15	0.88	1.80	1.72	0.99	0.66	
[36]	RFUTX American Funds 2060 Trgt Date Retire R6	0.39	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[37]	American Funds Trgt Date Retire R6 Average	0.34	8.11	9.21	(7.44)	(13.84)	9.59	8.49	1.16	0.94	1.58	1.63	1.54	1.16	
[38]	LIMKX BlackRock LifePath® Index 2020 K	0.15	5.88	N.A.	(5.54)	N.A.	5.59	N.A.	0.95	N.A.	(0.28)	N.A.	(0.92)	N.A.	
[39]	LIBKX BlackRock LifePath® Index 2025 K	0.13	6.71	N.A.	(6.53)	N.A.	6.35	N.A.	0.94	N.A.	(0.26)	N.A.	(0.78)	N.A.	
[40]	LINKX BlackRock LifePath® Index 2030 K	0.13	7.58	N.A.	(7.49)	N.A.	6.98	N.A.	0.92	N.A.	(0.45)	N.A.	(0.77)	N.A.	
[41]	LIJXX BlackRock LifePath® Index 2035 K	0.14	8.24	N.A.	(8.25)	N.A.	7.52	N.A.	0.92	N.A.	(0.49)	N.A.	(0.70)	N.A.	
[42]	LIKXX BlackRock LifePath® Index 2040 K	0.14	8.96	N.A.	(9.05)	N.A.	8.05	N.A.	0.90	N.A.	(0.56)	N.A.	(0.53)	N.A.	
[43]	LIHXX BlackRock LifePath® Index 2045 K	0.14	9.39	N.A.	(9.43)	N.A.	8.59	N.A.	0.92	N.A.	(0.38)	N.A.	(0.31)	N.A.	
[44]	LIPKX BlackRock LifePath® Index 2050 K	0.14	9.66	N.A.	(9.46)	N.A.	9.02	N.A.	0.94	N.A.	(0.18)	N.A.	(0.22)	N.A.	
[45]	LIVKX BlackRock LifePath® Index 2055 K	0.14	9.94	N.A.	(9.53)	N.A.	9.53	N.A.	0.96	N.A.	0.07	N.A.	0.02	N.A.	
[46]	LIZKX BlackRock LifePath® Index 2060 K	0.14	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[47]	LIRKX BlackRock LifePath® Index Retire K	0.13	4.79	N.A.	(4.41)	N.A.	4.34	N.A.	0.90	N.A.	(0.06)	N.A.	0.75	N.A.	
[48]	BlackRock LifePath® Index K Average	0.14	7.91	N.A.	(7.74)	N.A.	7.33	N.A.	0.93	N.A.	(0.29)	N.A.	(0.38)	N.A.	
[49]	FFVFX Fidelity Freedom 2005	0.47	4.51	5.42	(4.76)	(8.45)	4.00	4.17	0.88	0.77	(0.32)	(0.71)	(0.78)	(1.04)	
[50]	FFFCX Fidelity Freedom 2010	0.48	5.52	6.61	(5.63)	(10.34)	5.11	5.04	0.92	0.77	(0.16)	(0.87)	0.37	(0.04)	
[51]	FFVFX Fidelity Freedom 2015	0.52	6.14	7.00	(6.39)	(10.54)	5.45	5.28	0.89	0.76	(0.57)	(0.52)	(0.23)	(0.42)	
[52]	FFDXX Fidelity Freedom 2020	0.56	6.67	7.90	(7.02)	(12.62)	5.96	5.58	0.89	0.72	(0.63)	(0.60)	(0.55)	(0.58)	
[53]	FFTWX Fidelity Freedom 2025	0.61	7.60	9.12	(7.73)	(14.92)	7.10	6.24	0.94	0.70	(0.34)	(0.53)	(0.09)	(0.34)	
[54]	FFEXX Fidelity Freedom 2030	0.65	8.67	9.92	(9.04)	(15.81)	7.61	6.49	0.88	0.68	(0.79)	(0.55)	(0.14)	(0.33)	
[55]	FFTHX Fidelity Freedom 2035	0.69	9.36	11.03	(9.79)	(18.08)	8.39	6.82	0.90	0.65	(0.62)	(0.84)	0.01	(0.31)	
[56]	FFFFX Fidelity Freedom 2040	0.73	9.37	11.13	(9.76)	(18.41)	8.50	6.89	0.91	0.65	(0.48)	(0.73)	(0.15)	(0.43)	
[57]	FFFGX Fidelity Freedom 2045	0.75	9.41	11.35	(9.68)	(18.97)	8.70	6.96	0.93	0.65	(0.28)	(0.72)	(0.22)	(0.49)	
[58]	FFHXX Fidelity Freedom 2050	0.75	9.51	11.67	(9.81)	(19.85)	8.75	6.92	0.93	0.63	(0.29)	(0.94)	(0.39)	(0.61)	
[59]	FFDEEX Fidelity Freedom 2055	0.75	9.53	N.A.	(9.81)	N.A.	9.00	N.A.	0.95	N.A.	(0.05)	N.A.	(0.36)	N.A.	
[60]	FDKXX Fidelity Freedom 2060	0.75	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[61]	FFFAX Fidelity Freedom Income	0.47	3.21	3.43	(3.37)	(3.87)	2.66	3.27	0.82	0.94	(0.28)	(0.32)	(1.02)	(1.15)	
[62]	Fidelity Freedom Average	0.63	7.46	8.60	(7.73)	(13.80)	6.77	5.79	0.90	0.72	(0.40)	(0.67)	(0.30)	(0.52)	
[63]	JLAIX JHancock Multimanager 2010 Lifetime R6	1.01	5.58	6.94	(5.79)	(11.15)	4.71	5.34	0.84	0.78	(0.59)	(0.85)	0.02	0.14	
[64]	JLBIX JHancock Multimanager 2015 Lifetime R6	0.97	6.36	7.95	(6.60)	(13.12)	5.59	5.78	0.88	0.74	(0.67)	(0.80)	(0.10)	0.01	
[65]	JLDIX JHancock Multimanager 2020 Lifetime R6	0.92	7.23	9.12	(7.45)	(15.42)	6.62	6.24	0.92	0.70	(0.53)	(0.86)	0.04	(0.03)	
[66]	JLEIX JHancock Multimanager 2025 Lifetime R6	0.91	8.22	10.30	(8.40)	(17.48)	7.68	6.68	0.94	0.67	(0.39)	(0.93)	0.32	(0.01)	
[67]	JLFIIX JHancock Multimanager 2030 Lifetime R6	0.90	9.11	11.24	(9.44)	(18.96)	8.44	7.01	0.93	0.65	(0.48)	(0.96)	0.35	(0.03)	
[68]	JLHIIX JHancock Multimanager 2035 Lifetime R6	0.91	9.62	11.80	(9.97)	(19.68)	8.86	7.21	0.93	0.65	(0.47)	(0.99)	0.30	(0.09)	
[69]	JLJIX JHancock Multimanager 2040 Lifetime R6	0.91	9.71	11.79	(10.04)	(19.66)	8.93	7.28	0.93	0.65	(0.42)	(0.80)	0.14	(0.20)	
[70]	JLJIX JHancock Multimanager 2045 Lifetime R6	0.92	9.68	11.80	(10.04)	(19.66)	8.92	7.26	0.93	0.65	(0.34)	(0.76)	(0.06)	(0.37)	
[71]	JKRXX JHancock Multimanager 2050 Lifetime R6	0.93	9.70	N.A.	(9.98)	N.A.	8.98	N.A.	0.93	N.A.	(0.27)	N.A.	(0.26)	N.A.	
[72]	JKTXX JHancock Multimanager 2055 Lifetime R6	0.95	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[73]	JESRX JHancock Multimanager 2060 Lifetime R6	0.99	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[74]	JHancock Multimanager Lifetime R6 Average	0.94	8.36	10.12	(8.63)	(16.89)	7.64	6.60	0.91	0.69	(0.46)	(0.87)	0.08	(0.07)	

	[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	
		Q4 2015													
		Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
	Tickers	Fund Name	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
[75]	JSFYX	JPMorgan SmartRetirement® 2015 R6	0.46	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[76]	JTTYX	JPMorgan SmartRetirement® 2020 R6	0.36	6.51	8.28	(6.25)	(12.79)	6.52	6.56	1.00	0.80	0.02	0.03	(0.05)	0.25
[77]	JNSYX	JPMorgan SmartRetirement® 2025 R6	0.36	7.48	9.63	(7.22)	(15.46)	7.63	7.16	1.02	0.76	0.26	(0.02)	0.36	0.33
[78]	JSMYX	JPMorgan SmartRetirement® 2030 R6	0.36	8.47	10.81	(8.37)	(17.63)	8.45	7.50	1.00	0.72	0.12	(0.22)	0.45	0.26
[79]	SRJYX	JPMorgan SmartRetirement® 2035 R6	0.41	9.14	11.71	(9.08)	(19.22)	9.09	7.90	0.99	0.70	0.17	(0.28)	0.51	0.27
[80]	SMTYX	JPMorgan SmartRetirement® 2040 R6	0.43	9.60	11.96	(9.66)	(19.28)	9.31	8.02	0.97	0.70	0.03	(0.21)	0.41	0.25
[81]	JSAYX	JPMorgan SmartRetirement® 2045 R6	0.43	9.57	11.94	(9.67)	(19.21)	9.31	8.06	0.97	0.70	0.12	(0.08)	0.23	0.19
[82]	JTSYX	JPMorgan SmartRetirement® 2050 R6	0.43	9.57	11.95	(9.53)	(19.28)	9.34	8.05	0.98	0.70	0.20	(0.07)	0.03	0.08
[83]	JFFYX	JPMorgan SmartRetirement® 2055 R6	0.44	9.66	N.A.	(9.56)	N.A.	9.36	N.A.	0.97	N.A.	0.16	N.A.	(0.11)	N.A.
[84]	JAKYX	JPMorgan SmartRetirement® 2060 R6	0.47	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[85]	JSIYX	JPMorgan SmartRetirement® Income R6	0.37	4.76	5.63	(4.76)	(7.39)	3.97	4.63	0.83	0.82	(0.32)	(1.14)	0.30	0.10
[86]		JPMorgan SmartRetirement® R6 Average	0.41	8.31	10.24	(8.23)	(16.28)	8.11	7.23	0.97	0.74	0.08	(0.25)	0.24	0.22
[87]	TCLEX	Nuveen Lifecycle 2010 Retirement	0.76	5.78	6.69	(5.33)	(9.18)	5.30	5.87	0.91	0.88	(0.24)	(0.19)	0.49	0.56
[88]	TCLIX	Nuveen Lifecycle 2015 Retirement	0.77	6.32	7.53	(5.83)	(11.06)	5.95	6.25	0.94	0.84	(0.30)	(0.06)	0.23	0.44
[89]	TCLTX	Nuveen Lifecycle 2020 Retirement	0.79	7.06	8.49	(6.56)	(12.98)	6.78	6.72	0.96	0.80	(0.25)	0.02	0.21	0.39
[90]	TCLFX	Nuveen Lifecycle 2025 Retirement	0.80	7.86	9.52	(7.35)	(14.95)	7.64	7.18	0.97	0.77	(0.11)	0.06	0.36	0.41
[91]	TCLNX	Nuveen Lifecycle 2030 Retirement	0.81	8.72	10.56	(8.22)	(16.80)	8.41	7.60	0.97	0.74	(0.16)	0.02	0.40	0.38
[92]	TCLRX	Nuveen Lifecycle 2035 Retirement	0.83	9.50	11.52	(8.96)	(18.58)	9.08	7.94	0.96	0.72	(0.15)	(0.14)	0.44	0.33
[93]	TCLOX	Nuveen Lifecycle 2040 Retirement	0.86	10.15	12.02	(9.72)	(18.98)	9.48	8.16	0.94	0.71	(0.28)	(0.12)	0.41	0.33
[94]	TFRFX	Nuveen Lifecycle 2045 Retirement	0.87	10.14	12.03	(9.76)	(18.94)	9.48	8.14	0.94	0.71	(0.21)	(0.06)	0.30	0.25
[95]	TLFRX	Nuveen Lifecycle 2050 Retirement	0.89	10.16	12.01	(9.78)	(18.91)	9.49	8.16	0.94	0.71	(0.18)	(0.02)	0.13	0.17
[96]	TTRLX	Nuveen Lifecycle 2055 Retirement	0.89	10.12	N.A.	(9.74)	N.A.	9.49	N.A.	0.94	N.A.	(0.11)	N.A.	(0.01)	N.A.
[97]	TLXRX	Nuveen Lifecycle 2060 Retirement	0.93	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[98]		Nuveen Lifecycle Retirement Average	0.84	8.58	10.04	(8.12)	(15.60)	8.11	7.34	0.95	0.76	(0.20)	(0.05)	0.30	0.36
[99]	PTTIX	Principal LifeTime 2010 Institutional	0.52	5.28	6.48	(5.13)	(9.98)	4.82	5.47	0.91	0.85	(0.25)	(0.37)	0.16	0.29
[100]	LTINX	Principal LifeTime 2015 Institutional	0.53	6.02	7.73	(5.97)	(12.58)	5.63	5.92	0.93	0.78	(0.34)	(0.51)	(0.09)	0.12
[101]	PLWIX	Principal LifeTime 2020 Institutional	0.54	6.93	8.89	(6.64)	(14.57)	6.55	6.53	0.94	0.75	(0.37)	(0.45)	(0.02)	0.18
[102]	LTSTX	Principal LifeTime 2025 Institutional	0.56	7.45	9.55	(7.29)	(15.74)	7.12	6.83	0.95	0.73	(0.24)	(0.29)	(0.11)	0.12
[103]	PMTIX	Principal LifeTime 2030 Institutional	0.58	8.00	10.12	(7.72)	(16.52)	7.75	7.19	0.97	0.73	(0.14)	(0.10)	(0.12)	0.12
[104]	LTUUX	Principal LifeTime 2035 Institutional	0.60	8.48	10.71	(7.99)	(17.53)	8.40	7.56	0.99	0.73	0.09	0.00	0.04	0.17
[105]	PTDIX	Principal LifeTime 2040 Institutional	0.63	8.94	11.18	(8.44)	(18.14)	8.81	7.74	0.99	0.72	0.12	(0.02)	0.08	0.14
[106]	LTRIX	Principal LifeTime 2045 Institutional	0.65	9.19	11.50	(8.79)	(18.52)	9.08	7.92	0.99	0.72	0.21	0.03	0.08	0.14
[107]	PPLIX	Principal LifeTime 2050 Institutional	0.67	9.46	11.87	(8.95)	(19.25)	9.31	8.04	0.98	0.71	0.23	(0.06)	0.01	0.09
[108]	LTFIX	Principal LifeTime 2055 Institutional	0.67	9.57	12.01	(9.15)	(19.44)	9.30	7.96	0.97	0.69	0.15	(0.30)	(0.19)	(0.12)
[109]	PLTZX	Principal LifeTime 2060 Institutional	0.67	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[110]	PLSIX	Principal LifeTime Strategic Inc Instl	0.52	3.84	4.27	(3.66)	(4.68)	3.00	4.37	0.77	1.01	(0.50)	(0.07)	(0.94)	(0.10)
[111]		Principal LifeTime Institutional Average	0.60	7.56	9.48	(7.25)	(15.18)	7.25	6.87	0.95	0.77	(0.09)	(0.19)	(0.10)	0.11
[112]	SWBRX	Schwab Target 2010	0.40	4.66	5.36	(3.90)	(6.68)	5.04	5.44	1.07	1.01	0.49	0.53	0.62	0.53
[113]	SWGTX	Schwab Target 2015	0.40	5.11	6.45	(4.04)	(9.48)	5.81	5.99	1.12	0.93	0.69	0.54	0.11	0.28
[114]	SWCRX	Schwab Target 2020	0.32	6.43	7.85	(5.42)	(11.76)	7.18	6.99	1.10	0.89	0.70	0.73	0.75	0.86
[115]	SWHRX	Schwab Target 2025	0.36	7.42	8.98	(6.45)	(13.59)	8.21	7.67	1.10	0.86	0.83	0.87	1.10	1.12
[116]	SWDRX	Schwab Target 2030	0.42	8.22	9.92	(7.26)	(15.26)	8.99	8.10	1.08	0.83	0.82	0.89	1.07	1.03
[117]	SWIRX	Schwab Target 2035	0.48	8.93	10.71	(8.01)	(16.49)	9.69	8.55	1.08	0.82	0.89	0.92	1.13	1.08
[118]	SWERX	Schwab Target 2040	0.51	9.50	11.32	(8.57)	(17.46)	10.21	8.89	1.07	0.81	0.94	0.96	1.12	1.07
[119]	SWMRX	Schwab Target 2045	0.57	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[120]	SWNRX	Schwab Target 2050	0.60	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[121]	SWORX	Schwab Target 2055	0.62	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[122]	SWPRX	Schwab Target 2060	0.73	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[123]		Nuveen Lifecycle Average	0.49	7.18	8.66	(6.24)	(12.96)	7.87	7.38	1.09	0.88	0.76	0.77	0.84	0.85
[124]	TRRFEX	T. Rowe Price Retirement 2005	0.49	5.28	6.49	(5.09)	(9.33)	4.48	5.20	0.85	0.81	(0.58)	(0.65)	(0.23)	0.08
[125]	TRRAX	T. Rowe Price Retirement 2010	0.49	5.81	7.36	(5.58)	(11.10)	5.26	5.68	0.90	0.78	(0.30)	(0.90)	0.43	0.29
[126]	TRRGX	T. Rowe Price Retirement 2015	0.50	6.69	8.44	(6.47)	(12.97)	6.46	6.48	0.96	0.78	(0.15)	(0.53)	0.57	0.39
[127]	TRRBX	T. Rowe Price Retirement 2020	0.53	7.48	9.44	(7.36)	(14.71)	7.52	7.15	1.00	0.77	0.06	(0.25)	0.71	0.47
[128]	TRRHX	T. Rowe Price Retirement 2025	0.54	8.23	10.32	(8.14)	(16.09)	8.47	7.71	1.02	0.77	0.33	0.02	0.89	0.57
[129]	TRRCX	T. Rowe Price Retirement 2030	0.57	8.81	11.07	(8.79)	(17.37)	9.28	8.21	1.05	0.76	0.57	0.26	0.97	0.64
[130]	TRRJX	T. Rowe Price Retirement 2035	0.59	9.32	11.66	(9.32)	(18.30)	9.87	8.53	1.05	0.76	0.73	0.33	0.97	0.64
[131]	TRRDIX	T. Rowe Price Retirement 2040	0.60	9.72	11.99	(9.79)	(18.66)	10.23	8.73	1.05	0.75	0.79	0.43	0.93	0.65
[132]	TRRKX	T. Rowe Price Retirement 2045	0.62	9.72	11.96	(9.80)	(18.49)	10.22	8.74	1.05	0.76	0.84	0.53	0.82	0.63
[133]	TRRMX	T. Rowe Price Retirement 2050	0.63	9.69	11.95	(9.80)	(18.53)	10.23	8.76	1.05	0.76	0.92	0.58	0.63	0.56
[134]	TRRNX	T. Rowe Price Retirement 2055	0.64	9.73	11.96	(9.79)	(18.45)	10.21	8.76	1.05	0.76	0.91	0.50	0.48	0.43
[135]	TRRLX	T. Rowe Price Retirement 2060	0.64	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[136]		T. Rowe Price Retirement Average	0.57	8.23	10.24	(8.18)	(15.82)	8.39	7.63	1.00	0.77	0.38	0.03	0.65	0.49
[137]	VTOVX	Vanguard Target Retirement 2005 Inv	0.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[138]	VTENX	Vanguard Target Retirement 2010 Inv	0.13	4.47	5.42	(3.90)	(6.92)	4.87	5.60	1.08	1.02	0.51	0.62	0.31	0.81
[139]	VTXVX	Vanguard Target Retirement 2015 Fund	0.08	5.71	6.79	(5.34)	(9.64)	6.22	6.31	1.08	0.93	0.49	0.54	1.22	1.18
[140]	VTWNX	Vanguard Target Retirement 2020 Fund	0.08	6.62	7.87	(6.39)	(11.62)	7.21	6.85	1.08	0.88	0.52	0.56	1.37	1.09
[141]	VTIVX	Vanguard Target Retirement 2025 Fund	0.08	7.38	8.82	(7.18)	(13.45)	7.88	7.22	1.06	0.83	0.51	0.54	1.28	0.89
[142]	VTHRX	Vanguard Target Retirement 2030 Fund	0.08	8.11	9.76	(8.02)	(15.23)	8.52	7.59	1.04	0.79	0.44	0.48	1.09	0.83
[143]	VTHIX	Vanguard Target Retirement 2035 Fund	0.08	8.92	10.72	(8.87)	(17.00)	9.16	7.92	1.02	0.76	0.36	0.31	1.02	0.73
[144]	VFORX	Vanguard Target Retirement 2040 Fund	0.08	9.56	11.22	(9.74)	(17.37)	9.46	8.11	0.99	0.75	0.15	0.29	0.74	0.58
[145]	VTIVX	Vanguard Target Retirement 2045 Fund	0.08	9.58	11.23	(9.74)	(17.35)	9.47	8.13	0.99	0.75	0.20	0.37	0.59	0.45
[146]	VFIEX	Vanguard Target Retirement 2050 Fund	0.08	9.56	11.23	(9.75)	(17.41)	9.47	8.12	0.99	0.75	0.26	0.38	0.21	0.22
[147]	VFFVX	Vanguard Target Retirement 2055 Fund	0.08	9.57	11.21	(9.84)	(17.27)	9.41	8.15	0.98	0.75	0.24	0.34	(0.10)	0.04
[148]	VTISX	Vanguard Target Retirement 2060 Fund	0.08	9.56	N.A.	(9.84)	N.A.	9.42	N.A.	0.99					

		[a]	[o]	[p]	[q]	[r]	[s]	[t]	[u]	[v]	[w]	[x]	[y]	[z]	[aa]
		Q1 2016													
		Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
Tickers	Fund Name		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
[1]	Allspring Target 2010 R6	0.46	3.58	3.71	(3.15)	(3.15)	2.35	3.30	0.65	0.88	(0.17)	0.43	(0.66)	(0.55)	
[2]	Allspring Target 2015 R6	0.45	4.13	4.53	(3.45)	(4.53)	3.07	3.90	0.74	0.85	0.14	0.58	(0.57)	(0.48)	
[3]	Allspring Target 2020 R6	0.27	5.05	5.79	(4.57)	(7.35)	3.82	4.50	0.75	0.78	0.12	0.42	(0.56)	(0.46)	
[4]	Allspring Target 2025 R6	0.30	6.23	7.34	(6.10)	(10.42)	4.57	5.09	0.74	0.70	0.06	0.18	(0.53)	(0.46)	
[5]	Allspring Target 2030 R6	0.27	7.63	9.02	(7.71)	(13.55)	5.21	5.54	0.70	0.64	(0.24)	(0.18)	(0.57)	(0.53)	
[6]	Allspring Target 2035 R6	0.31	8.92	10.45	(9.66)	(15.96)	5.59	5.84	0.65	0.59	(0.62)	(0.56)	(0.63)	(0.64)	
[7]	Allspring Target 2040 R6	0.28	9.97	11.55	(11.16)	(17.64)	5.93	6.10	0.62	0.56	(0.87)	(0.78)	(0.56)	(0.58)	
[8]	Allspring Target 2045 R6	0.37	10.64	12.11	(12.20)	(18.30)	6.07	6.22	0.60	0.55	(1.06)	(0.87)	(0.56)	(0.57)	
[9]	Allspring Target 2050 R6	0.31	10.81	12.20	(12.58)	(18.34)	6.07	6.24	0.59	0.55	(1.10)	(0.87)	(0.65)	(0.64)	
[10]	Allspring Target 2055 R6	0.62	10.82	N.A.	(12.55)	N.A.	6.07	N.A.	0.59	N.A.	(1.06)	N.A.	(0.73)	N.A.	
[11]	Allspring Target 2060 R6	0.57	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[12]	Allspring Target Today R6	0.44	3.23	3.19	(3.16)	(3.16)	1.95	2.98	0.59	0.91	(0.44)	0.10	(0.76)	(0.68)	
[13]	Allspring Target R6 Average	0.39	7.37	7.99	(7.85)	(11.24)	4.61	4.97	0.66	0.70	(0.48)	(0.16)	(0.62)	(0.56)	
[14]	ARNIX American Century One Choice 2015 Instl	0.56	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[15]	ARBVX American Century One Choice 2020 I	0.63	6.29	7.09	(5.95)	(9.19)	4.91	5.99	0.78	0.85	0.07	0.86	(0.48)	0.07	
[16]	ARWFX American Century One Choice 2025 I	0.61	6.83	7.73	(6.62)	(10.40)	5.30	6.26	0.78	0.82	0.24	1.00	(0.38)	0.05	
[17]	ARCSX American Century One Choice 2030 I	0.63	7.43	8.47	(7.41)	(11.70)	5.74	6.57	0.78	0.79	0.34	1.08	(0.32)	0.07	
[18]	ARLIX American Century One Choice 2035 I	0.67	8.08	9.24	(8.22)	(13.09)	6.21	6.93	0.78	0.77	0.46	1.12	(0.21)	0.14	
[19]	ARDSX American Century One Choice 2040 I	0.69	8.71	10.01	(9.13)	(14.42)	6.60	7.25	0.77	0.74	0.53	1.11	(0.09)	0.24	
[20]	AOOIX American Century One Choice 2045 I	0.72	9.36	10.68	(9.79)	(15.30)	6.98	7.50	0.76	0.72	0.56	1.07	0.05	0.33	
[21]	AREFX American Century One Choice 2050 I	0.74	9.66	11.02	(10.21)	(15.86)	7.08	7.57	0.75	0.71	0.52	0.98	(0.02)	0.27	
[22]	ARENX American Century One Choice 2055 I	0.75	9.93	11.23	(10.66)	(16.00)	7.19	7.70	0.74	0.71	0.51	0.93	(0.03)	0.24	
[23]	ARGNX American Century One Choice 2060 I	0.76	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[24]	ATTIX American Century One Choice In Ret I	0.61	5.74	6.18	(5.43)	(7.10)	4.48	5.68	0.78	0.92	(0.02)	(0.47)	0.49	0.54	
[25]	American Century One Choice I Average	0.67	8.00	9.07	(8.16)	(12.56)	6.05	6.83	0.77	0.78	0.36	0.85	(0.11)	0.22	
[26]	RFTTX American Funds 2010 Trgt Date Retire R6	0.29	5.90	6.03	(5.20)	(6.76)	5.53	6.41	0.93	1.05	0.83	1.23	1.16	1.32	
[27]	RFJTX American Funds 2015 Trgt Date Retire R6	0.30	6.30	6.84	(5.14)	(8.96)	6.30	6.84	0.99	0.99	1.32	1.50	1.44	1.28	
[28]	RRCTX American Funds 2020 Trgt Date Retire R6	0.31	7.09	7.90	(5.63)	(11.15)	7.07	7.41	0.99	0.94	1.59	1.68	1.59	1.37	
[29]	RFDTX American Funds 2025 Trgt Date Retire R6	0.32	8.23	9.54	(6.47)	(14.40)	7.99	8.14	0.97	0.86	1.87	1.70	1.67	1.65	
[30]	RFETX American Funds 2030 Trgt Date Retire R6	0.33	9.36	10.54	(8.13)	(15.61)	8.37	8.42	0.90	0.82	1.56	1.66	1.55	1.54	
[31]	RFFTXX American Funds 2035 Trgt Date Retire R6	0.35	9.88	10.89	(9.04)	(15.99)	8.34	8.36	0.85	0.79	1.32	1.57	1.32	1.28	
[32]	RFGTX American Funds 2040 Trgt Date Retire R6	0.37	10.11	11.11	(9.36)	(16.34)	8.44	8.41	0.85	0.78	1.38	1.63	1.30	1.14	
[33]	RFHITX American Funds 2045 Trgt Date Retire R6	0.37	10.20	11.16	(9.47)	(16.37)	8.46	8.42	0.84	0.78	1.44	1.69	1.15	0.95	
[34]	RFITX American Funds 2050 Trgt Date Retire R6	0.38	10.26	11.21	(9.53)	(16.38)	8.44	8.43	0.83	0.77	1.43	1.69	0.98	0.81	
[35]	RFKTX American Funds 2055 Trgt Date Retire R6	0.38	10.27	11.23	(9.47)	(16.45)	8.42	8.40	0.83	0.77	1.45	1.58	0.84	0.66	
[36]	RFUTX American Funds 2060 Trgt Date Retire R6	0.39	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[37]	American Funds Trgt Date Retire R6 Average	0.34	8.76	9.65	(7.74)	(13.84)	7.74	7.93	0.90	0.85	1.42	1.59	1.30	1.20	
[38]	LIMKX BlackRock LifePath® Index 2020 K	0.15	6.39	N.A.	(5.54)	N.A.	4.86	N.A.	0.77	N.A.	(0.03)	N.A.	(0.51)	N.A.	
[39]	LIBKX BlackRock LifePath® Index 2025 K	0.13	7.35	N.A.	(6.71)	N.A.	5.29	N.A.	0.73	N.A.	(0.11)	N.A.	(0.46)	N.A.	
[40]	LINKX BlackRock LifePath® Index 2030 K	0.13	8.39	N.A.	(7.95)	N.A.	5.68	N.A.	0.69	N.A.	(0.33)	N.A.	(0.45)	N.A.	
[41]	LJUKX BlackRock LifePath® Index 2035 K	0.14	9.23	N.A.	(8.98)	N.A.	6.02	N.A.	0.67	N.A.	(0.44)	N.A.	(0.40)	N.A.	
[42]	LKKX BlackRock LifePath® Index 2040 K	0.14	10.10	N.A.	(10.01)	N.A.	6.30	N.A.	0.65	N.A.	(0.61)	N.A.	(0.30)	N.A.	
[43]	LJHKX BlackRock LifePath® Index 2045 K	0.14	10.57	N.A.	(10.51)	N.A.	6.63	N.A.	0.65	N.A.	(0.48)	N.A.	(0.18)	N.A.	
[44]	LIPKX BlackRock LifePath® Index 2050 K	0.14	10.81	N.A.	(10.65)	N.A.	6.93	N.A.	0.67	N.A.	(0.30)	N.A.	(0.13)	N.A.	
[45]	LIVKX BlackRock LifePath® Index 2055 K	0.14	11.04	N.A.	(10.63)	N.A.	7.28	N.A.	0.69	N.A.	(0.07)	N.A.	0.03	N.A.	
[46]	LIZKX BlackRock LifePath® Index 2060 K	0.14	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[47]	LIRKX BlackRock LifePath® Index Retire K	0.13	5.19	N.A.	(4.41)	N.A.	4.06	N.A.	0.78	N.A.	(0.18)	N.A.	0.55	N.A.	
[48]	BlackRock LifePath® Index K Average	0.14	8.79	N.A.	(8.38)	N.A.	5.89	N.A.	0.70	N.A.	(0.28)	N.A.	(0.21)	N.A.	
[49]	FFVFX Fidelity Freedom 2005	0.47	5.07	5.71	(5.41)	(8.45)	3.50	3.85	0.69	0.68	(0.49)	(0.99)	(0.66)	(1.22)	
[50]	FFFCX Fidelity Freedom 2010	0.48	6.17	6.97	(6.58)	(10.34)	4.18	4.59	0.68	0.67	(0.63)	(1.27)	0.03	(0.24)	
[51]	FFVFX Fidelity Freedom 2015	0.52	6.90	7.44	(7.54)	(10.54)	4.41	4.75	0.65	0.65	(0.90)	(0.90)	(0.31)	(0.57)	
[52]	FFDXX Fidelity Freedom 2020	0.56	7.53	8.38	(8.37)	(12.62)	4.69	4.91	0.64	0.61	(0.96)	(0.97)	(0.53)	(0.73)	
[53]	FFTWX Fidelity Freedom 2025	0.61	8.49	9.63	(9.28)	(14.92)	5.43	5.42	0.66	0.59	(0.72)	(0.90)	(0.25)	(0.51)	
[54]	FFEXX Fidelity Freedom 2030	0.65	9.80	10.58	(10.98)	(15.81)	5.67	5.53	0.60	0.56	(1.20)	(1.02)	(0.25)	(0.47)	
[55]	FFTHX Fidelity Freedom 2035	0.69	10.60	11.74	(12.02)	(18.08)	6.08	5.70	0.60	0.53	(1.18)	(1.33)	(0.20)	(0.48)	
[56]	FFFFX Fidelity Freedom 2040	0.73	10.60	11.83	(12.04)	(18.41)	6.15	5.75	0.61	0.53	(1.01)	(1.21)	(0.31)	(0.59)	
[57]	FFFGX Fidelity Freedom 2045	0.75	10.60	12.03	(11.91)	(18.97)	6.28	5.81	0.62	0.52	(0.81)	(1.18)	(0.37)	(0.67)	
[58]	FFHXX Fidelity Freedom 2050	0.75	10.66	12.32	(12.01)	(19.85)	6.30	5.73	0.62	0.51	(0.79)	(1.38)	(0.51)	(0.81)	
[59]	FFDEEX Fidelity Freedom 2055	0.75	10.67	N.A.	(11.99)	N.A.	6.45	N.A.	0.63	N.A.	(0.62)	N.A.	(0.51)	N.A.	
[60]	FDKVX Fidelity Freedom 2060	0.75	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[61]	FFFAX Fidelity Freedom Income	0.47	3.66	3.69	(3.76)	(3.87)	2.58	3.19	0.69	0.85	(0.38)	(0.55)	(0.89)	(1.27)	
[62]	Fidelity Freedom Average	0.63	8.40	9.12	(9.32)	(13.80)	5.14	5.02	0.64	0.61	(0.81)	(1.06)	(0.40)	(0.69)	
[63]	JLAIX JHancock Multimanager 2010 Lifetime R6	1.01	6.11	7.23	(6.44)	(11.15)	3.87	4.94	0.64	0.70	(0.91)	(1.12)	(0.19)	(0.01)	
[64]	JLBIX JHancock Multimanager 2015 Lifetime R6	0.97	6.96	8.27	(7.54)	(13.12)	4.38	5.19	0.64	0.65	(1.00)	(1.09)	(0.36)	(0.18)	
[65]	JLDIX JHancock Multimanager 2020 Lifetime R6	0.92	7.95	9.52	(8.63)	(15.42)	5.05	5.51	0.65	0.60	(0.92)	(1.16)	(0.24)	(0.22)	
[66]	JLEIX JHancock Multimanager 2025 Lifetime R6	0.91	9.05	10.78	(9.84)	(17.48)	5.73	5.84	0.65	0.57	(0.81)	(1.20)	(0.03)	(0.17)	
[67]	JLFIIX JHancock Multimanager 2030 Lifetime R6	0.90	10.07	11.79	(11.11)	(18.96)	6.12	6.01	0.63	0.55	(0.99)	(1.30)	(0.03)	(0.21)	
[68]	JLHIIX JHancock Multimanager 2035 Lifetime R6	0.91	10.69	12.42	(11.94)	(19.68)	6.36	6.14	0.62	0.54	(1.02)	(1.32)	(0.08)	(0.26)	
[69]	JLIIX JHancock Multimanager 2040 Lifetime R6	0.91	10.83	12.44	(12.08)	(19.66)	6.44	6.20	0.62	0.54	(0.92)	(1.14)	(0.17)	(0.37)	
[70]	JLJIX JHancock Multimanager 2045 Lifetime R6	0.92	10.82	12.46	(12.09)	(19.66)	6.42	6.19	0.62	0.54	(0.84)	(1.08)	(0.31)	(0.53)	
[71]	JLKRXX JHancock Multimanager 2050 Lifetime R6	0.93	10.82	N.A.	(12.05)	N.A.	6.46	N.A.	0.63	N.A.	(0.76)	N.A.	(0.47)	N.A.	
[72]	JLKTX JHancock Multimanager 2055 Lifetime R6	0.95	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[73]	JESRXX JHancock Multimanager 2060 Lifetime R6	0.99	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[74]	JHancock Multimanager Lifetime R6 Average	0.94	9.26	10.61	(10.19)	(16.89)	5.65	5.75	0.64	0.59	(0.91)	(1.18)	(0.21)	(0.24)	

	[a]	[o]	[p]	[q]	[r]	[s]	[t]	[u]	[v]	[w]	[x]	[y]	[z]	[aa]
		Q1 2016												
		Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio	
	Tickers	Fund Name	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y
[75]	JSFYX	JPMorgan SmartRetirement® 2015 R6	0.46	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[76]	JTTYX	JPMorgan SmartRetirement® 2020 R6	0.36	7.16	8.63	(7.51)	(12.79)	5.29	6.08	0.75	0.72	(0.16)	(0.05)	(0.12)
[77]	JNSYX	JPMorgan SmartRetirement® 2025 R6	0.36	8.22	10.03	(8.78)	(15.46)	6.02	6.56	0.74	0.68	0.02	(0.09)	0.20
[78]	JSMYX	JPMorgan SmartRetirement® 2030 R6	0.36	9.35	11.30	(10.45)	(17.63)	6.36	6.70	0.70	0.63	(0.30)	(0.37)	0.11
[79]	SRJYX	JPMorgan SmartRetirement® 2035 R6	0.41	10.11	12.25	(11.46)	(19.22)	6.71	6.99	0.69	0.61	(0.32)	(0.43)	0.12
[80]	SMTYX	JPMorgan SmartRetirement® 2040 R6	0.43	10.69	12.58	(12.34)	(19.28)	6.80	7.07	0.66	0.60	(0.49)	(0.40)	0.04
[81]	JSAYX	JPMorgan SmartRetirement® 2045 R6	0.43	10.66	12.56	(12.33)	(19.21)	6.80	7.12	0.66	0.61	(0.38)	(0.24)	(0.07)
[82]	JTSYX	JPMorgan SmartRetirement® 2050 R6	0.43	10.67	12.57	(12.24)	(19.28)	6.84	7.10	0.67	0.60	(0.29)	(0.24)	(0.18)
[83]	JFFYX	JPMorgan SmartRetirement® 2055 R6	0.44	10.74	N.A.	(12.18)	N.A.	6.85	N.A.	0.66	N.A.	(0.29)	N.A.	(0.27)
[84]	JAKYX	JPMorgan SmartRetirement® 2060 R6	0.47	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[85]	JSIYX	JPMorgan SmartRetirement® Income R6	0.37	5.26	5.91	(5.71)	(7.39)	3.47	4.46	0.66	0.76	(0.72)	(1.42)	0.03
[86]		JPMorgan SmartRetirement® R6 Average	0.41	9.21	10.73	(10.34)	(16.28)	6.13	6.51	0.69	0.65	(0.33)	(0.40)	(0.02)
[87]	TCLEX	Nuveen Lifecycle 2010 Retirement	0.76	6.26	6.97	(5.97)	(9.18)	4.43	5.48	0.71	0.79	(0.50)	(0.44)	0.21
[88]	TCLIX	Nuveen Lifecycle 2015 Retirement	0.77	6.86	7.84	(6.65)	(11.06)	4.82	5.73	0.71	0.74	(0.50)	(0.28)	(0.01)
[89]	TCLTX	Nuveen Lifecycle 2020 Retirement	0.79	7.67	8.85	(7.62)	(12.98)	5.31	6.06	0.70	0.70	(0.50)	(0.22)	(0.08)
[90]	TCLFX	Nuveen Lifecycle 2025 Retirement	0.80	8.55	9.92	(8.72)	(14.95)	5.80	6.37	0.69	0.67	(0.42)	(0.21)	0.02
[91]	TCLNX	Nuveen Lifecycle 2030 Retirement	0.81	9.51	11.03	(9.90)	(16.80)	6.22	6.63	0.67	0.63	(0.54)	(0.29)	0.02
[92]	TCLRX	Nuveen Lifecycle 2035 Retirement	0.83	10.35	12.03	(10.92)	(18.58)	6.56	6.81	0.66	0.60	(0.61)	(0.49)	0.03
[93]	TCLOX	Nuveen Lifecycle 2040 Retirement	0.86	11.14	12.62	(12.02)	(18.98)	6.70	6.95	0.63	0.59	(0.86)	(0.52)	(0.02)
[94]	TTFRX	Nuveen Lifecycle 2045 Retirement	0.87	11.13	12.63	(12.05)	(18.94)	6.70	6.95	0.63	0.59	(0.76)	(0.44)	(0.12)
[95]	TLFRX	Nuveen Lifecycle 2050 Retirement	0.89	11.19	12.64	(12.10)	(18.91)	6.74	6.97	0.63	0.59	(0.71)	(0.40)	(0.23)
[96]	TTRLX	Nuveen Lifecycle 2055 Retirement	0.89	11.17	N.A.	(12.12)	N.A.	6.74	N.A.	0.63	N.A.	(0.65)	N.A.	(0.33)
[97]	TLXRX	Nuveen Lifecycle 2060 Retirement	0.93	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[98]		Nuveen Lifecycle Retirement Average	0.84	9.38	10.50	(9.81)	(15.60)	6.00	6.44	0.67	0.66	(0.61)	(0.37)	(0.05)
[99]	PTTIX	Principal LifeTime 2010 Institutional	0.52	5.64	6.66	(5.97)	(9.98)	3.90	4.93	0.69	0.75	(0.56)	(0.72)	(0.26)
[100]	LTINX	Principal LifeTime 2015 Institutional	0.53	6.43	7.94	(6.97)	(12.58)	4.35	5.25	0.68	0.68	(0.66)	(0.81)	(0.60)
[101]	PLWIX	Principal LifeTime 2020 Institutional	0.54	7.46	9.18	(7.98)	(14.57)	4.97	5.77	0.68	0.65	(0.69)	(0.71)	(0.50)
[102]	LTSTX	Principal LifeTime 2025 Institutional	0.56	8.10	9.90	(8.83)	(15.74)	5.38	6.00	0.68	0.63	(0.54)	(0.55)	(0.47)
[103]	PMTIX	Principal LifeTime 2030 Institutional	0.58	8.74	10.52	(9.49)	(16.52)	5.76	6.22	0.68	0.62	(0.50)	(0.41)	(0.44)
[104]	LTUUX	Principal LifeTime 2035 Institutional	0.60	9.26	11.15	(10.03)	(17.53)	6.06	6.48	0.67	0.61	(0.43)	(0.35)	(0.43)
[105]	PTDIX	Principal LifeTime 2040 Institutional	0.63	9.80	11.68	(10.58)	(18.14)	6.28	6.60	0.66	0.60	(0.46)	(0.39)	(0.41)
[106]	LTRIX	Principal LifeTime 2045 Institutional	0.65	10.14	12.05	(11.12)	(18.52)	6.46	6.73	0.66	0.60	(0.41)	(0.36)	(0.39)
[107]	PPLIX	Principal LifeTime 2050 Institutional	0.67	10.42	12.43	(11.34)	(19.25)	6.59	6.80	0.66	0.59	(0.40)	(0.46)	(0.43)
[108]	LTFIX	Principal LifeTime 2055 Institutional	0.67	10.59	12.59	(11.51)	(19.44)	6.59	6.72	0.65	0.57	(0.47)	(0.69)	(0.53)
[109]	PLTZX	Principal LifeTime 2060 Institutional	0.67	10.70	N.A.	(11.59)	N.A.	6.97	N.A.	0.68	N.A.	(0.08)	N.A.	(0.17)
[110]	PLSIX	Principal LifeTime Strategic Inc Instl	0.52	4.07	4.38	(4.13)	(4.68)	2.77	4.20	0.68	0.95	(0.53)	(0.25)	(0.99)
[111]		Principal LifeTime Institutional Average	0.60	8.45	9.86	(9.13)	(15.18)	5.51	5.97	0.67	0.66	(0.48)	(0.52)	(0.47)
[112]	SWBRX	Schwab Target 2010	0.40	5.03	5.58	(4.06)	(6.68)	4.20	5.10	0.83	0.91	0.17	0.29	0.09
[113]	SWGRX	Schwab Target 2015	0.40	5.44	6.64	(4.27)	(9.48)	4.69	5.51	0.86	0.83	0.39	0.35	(0.14)
[114]	SWCRX	Schwab Target 2020	0.32	6.96	8.17	(6.30)	(11.76)	5.43	6.23	0.79	0.77	0.12	0.37	0.03
[115]	SWHRX	Schwab Target 2025	0.36	8.13	9.40	(7.76)	(13.59)	6.07	6.75	0.76	0.74	0.11	0.45	0.26
[116]	SWDRX	Schwab Target 2030	0.42	9.02	10.40	(8.91)	(15.26)	6.47	7.04	0.73	0.70	0.01	0.43	0.22
[117]	SWIRX	Schwab Target 2035	0.48	9.82	11.26	(9.93)	(16.49)	6.88	7.37	0.72	0.68	0.01	0.44	0.25
[118]	SWERX	Schwab Target 2040	0.51	10.51	11.94	(10.85)	(17.46)	7.14	7.60	0.70	0.67	(0.06)	0.43	0.25
[119]	SWMRX	Schwab Target 2045	0.57	10.84	N.A.	(11.31)	N.A.	7.27	N.A.	0.69	N.A.	(0.05)	N.A.	0.22
[120]	SWNRX	Schwab Target 2050	0.60	11.10	N.A.	(11.61)	N.A.	7.46	N.A.	0.70	N.A.	0.03	N.A.	0.22
[121]	SWORX	Schwab Target 2055	0.62	11.33	N.A.	(11.93)	N.A.	7.44	N.A.	0.68	N.A.	(0.08)	N.A.	0.12
[122]	SWPRX	Schwab Target 2060	0.73	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[123]		Nuveen Lifecycle Average	0.49	8.82	9.05	(8.69)	(12.96)	6.30	6.51	0.75	0.76	0.07	0.39	0.15
[124]	TRRFEX	T. Rowe Price Retirement 2005	0.49	5.77	6.73	(5.21)	(9.33)	4.13	5.01	0.72	0.75	(0.44)	(0.71)	(0.01)
[125]	TRRAX	T. Rowe Price Retirement 2010	0.49	6.32	7.61	(5.75)	(11.10)	4.68	5.42	0.74	0.72	(0.30)	(0.99)	0.37
[126]	TRRGX	T. Rowe Price Retirement 2015	0.50	7.28	8.74	(6.76)	(12.97)	5.49	6.04	0.76	0.71	(0.17)	(0.62)	0.45
[127]	TRRBX	T. Rowe Price Retirement 2020	0.53	8.19	9.81	(7.87)	(14.71)	6.14	6.52	0.76	0.69	(0.06)	(0.40)	0.49
[128]	TRRHX	T. Rowe Price Retirement 2025	0.54	9.03	10.75	(8.86)	(16.09)	6.78	6.95	0.76	0.67	0.18	(0.15)	0.62
[129]	TRRCX	T. Rowe Price Retirement 2030	0.57	9.72	11.55	(9.72)	(17.37)	7.27	7.29	0.76	0.66	0.32	0.04	0.64
[130]	TRRJX	T. Rowe Price Retirement 2035	0.59	10.31	12.18	(10.45)	(18.30)	7.62	7.49	0.76	0.65	0.41	0.07	0.61
[131]	TRRDX	T. Rowe Price Retirement 2040	0.60	10.79	12.57	(11.11)	(18.66)	7.78	7.63	0.74	0.64	0.38	0.15	0.55
[132]	TRRKX	T. Rowe Price Retirement 2045	0.62	10.81	12.56	(11.19)	(18.49)	7.78	7.64	0.74	0.64	0.46	0.25	0.51
[133]	TRRMX	T. Rowe Price Retirement 2050	0.63	10.79	12.54	(11.11)	(18.53)	7.79	7.65	0.74	0.65	0.54	0.30	0.41
[134]	TRRNX	T. Rowe Price Retirement 2055	0.64	10.83	12.55	(11.17)	(18.45)	7.78	7.64	0.74	0.64	0.54	0.21	0.33
[135]	TRRLX	T. Rowe Price Retirement 2060	0.64	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[136]		T. Rowe Price Retirement Average	0.57	9.08	10.69	(9.02)	(15.82)	6.66	6.84	0.75	0.68	0.17	(0.17)	0.45
[137]	VTOVX	Vanguard Target Retirement 2005 Inv	0.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[138]	VTENX	Vanguard Target Retirement 2010 Inv	0.13	4.73	5.55	(3.90)	(6.92)	4.42	5.45	0.93	0.97	0.60	0.64	0.43
[139]	VTXVX	Vanguard Target Retirement 2015 Fund	0.08	6.10	7.03	(5.34)	(9.64)	5.29	6.02	0.87	0.86	0.46	0.53	1.02
[140]	VTWNX	Vanguard Target Retirement 2020 Fund	0.08	7.16	8.19	(6.62)	(11.62)	5.98	6.45	0.84	0.80	0.46	0.55	1.18
[141]	VTTVX	Vanguard Target Retirement 2025 Fund	0.08	7.99	9.18	(7.69)	(13.45)	6.33	6.70	0.80	0.75	0.41	0.52	1.01
[142]	VTHRX	Vanguard Target Retirement 2030 Fund	0.08	8.81	10.18	(8.79)	(15.23)	6.68	6.93	0.77	0.70	0.30	0.43	0.77
[143]	VTHIX	Vanguard Target Retirement 2035 Fund	0.08	9.71	11.19	(9.90)	(17.00)	7.00	7.14	0.74	0.67	0.14	0.23	0.57
[144]	VFORX	Vanguard Target Retirement 2040 Fund	0.08	10.45	11.77	(11.08)	(17.37)	7.11	7.28	0.70	0.65	(0.11)	0.19	0.33
[145]	VTIVX	Vanguard Target Retirement 2045 Fund	0.08	10.50	11.80	(11.16)	(17.35)	7.10	7.27	0.70	0.65	(0.05)	0.25	0.22
[146]	VFIIX	Vanguard Target Retirement 2050 Fund	0.08	10.49	11.79	(11.19)	(17.41)	7.09	7.26	0.70	0.65	(0.01)	0.27	(0.03)
[147]	VFFVX	Vanguard Target Retirement 2055 Fund	0.08	10.48	11.78	(11.26)	(17.27)	7.04	7.28	0.70	0.65	(0.01)	0.23	(0.23)
[148]	VTISX	Vanguard Target Retirement 2060 Fund	0.08	10.49	N.A.	(11.27)	N.A.	7.05	N.A.	0.70	N.A.	0.10	N.A.	(0.15)
[149]	VTINX	Vanguard Target Retirement Income Fund	0.08	4.15</										



[a]		[ab]	[ac]	[ad]	[ae]	[af]	[ag]	[ah]	[ai]	[aj]	[ak]	[al]	[am]	[an]
		Q2 2016												
TICKERS	Fund Name	Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio	
			3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y
[1]	Allspring Target 2010 R6	0.46	3.30	3.65	(2.53)	(3.15)	3.77	3.33	1.11	0.90	0.78	0.43	(0.50)	(0.58)
[2]	Allspring Target 2015 R6	0.45	3.94	4.48	(3.45)	(4.49)	4.52	4.05	1.12	0.89	1.13	0.65	(0.38)	(0.47)
[3]	Allspring Target 2020 R6	0.27	4.90	5.71	(4.57)	(6.43)	5.17	4.71	1.04	0.82	0.98	0.51	(0.35)	(0.45)
[4]	Allspring Target 2025 R6	0.30	6.07	7.24	(6.10)	(8.98)	5.74	5.35	0.94	0.75	0.71	0.27	(0.31)	(0.44)
[5]	Allspring Target 2030 R6	0.27	7.48	8.91	(7.71)	(11.76)	6.23	5.85	0.83	0.67	0.23	(0.12)	(0.32)	(0.50)
[6]	Allspring Target 2035 R6	0.31	8.78	10.34	(9.66)	(13.82)	6.51	6.20	0.75	0.63	(0.25)	(0.49)	(0.38)	(0.58)
[7]	Allspring Target 2040 R6	0.28	9.85	11.43	(11.16)	(15.36)	6.70	6.45	0.70	0.60	(0.65)	(0.74)	(0.38)	(0.54)
[8]	Allspring Target 2045 R6	0.37	10.52	11.99	(12.20)	(15.93)	6.77	6.58	0.67	0.59	(0.87)	(0.84)	(0.40)	(0.54)
[9]	Allspring Target 2050 R6	0.31	10.69	12.09	(12.58)	(15.94)	6.76	6.59	0.66	0.58	(0.87)	(0.82)	(0.49)	(0.60)
[10]	Allspring Target 2055 R6	0.62	10.71	N.A.	(12.55)	N.A.	6.75	N.A.	0.66	N.A.	(0.81)	N.A.	(0.56)	N.A.
[11]	Allspring Target 2060 R6	0.57	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[12]	Allspring Target Today R6	0.44	2.93	3.12	(2.24)	(3.16)	3.34	2.92	1.11	0.91	0.32	0.04	(0.62)	(0.73)
[13]	Allspring Target R6 Average	0.39	7.20	7.90	(7.70)	(9.90)	5.66	5.20	0.87	0.73	0.06	(0.11)	(0.43)	(0.54)
[14]	ARNIX American Century One Choice 2015 Instl	0.56	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[15]	ARBVX American Century One Choice 2020 I	0.63	6.14	6.99	(5.95)	(8.05)	5.60	6.09	0.91	0.87	0.06	0.78	(0.58)	(0.00)
[16]	ARWFX American Century One Choice 2025 I	0.61	6.68	7.63	(6.62)	(9.08)	5.95	6.38	0.89	0.84	0.29	0.93	(0.42)	(0.01)
[17]	ARCSX American Century One Choice 2030 I	0.63	7.30	8.37	(7.41)	(10.23)	6.25	6.70	0.86	0.81	0.32	0.99	(0.40)	(0.01)
[18]	ARLIX American Century One Choice 2035 I	0.67	7.96	9.13	(8.22)	(11.44)	6.59	7.07	0.83	0.79	0.36	1.01	(0.33)	0.05
[19]	ARDSX American Century One Choice 2040 I	0.69	8.60	9.90	(9.13)	(12.67)	6.95	7.40	0.81	0.76	0.41	0.99	(0.21)	0.14
[20]	AOOIX American Century One Choice 2045 I	0.72	9.24	10.58	(9.79)	(13.45)	7.28	7.67	0.80	0.75	0.42	0.95	(0.08)	0.25
[21]	ARFSX American Century One Choice 2050 I	0.74	9.54	10.91	(10.21)	(13.93)	7.33	7.75	0.78	0.73	0.38	0.89	(0.15)	0.20
[22]	ARENX American Century One Choice 2055 I	0.75	9.83	11.13	(10.66)	(14.09)	7.45	7.89	0.77	0.73	0.39	0.84	(0.12)	0.18
[23]	ARGNX American Century One Choice 2060 I	0.76	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[24]	ATTIX American Century One Choice In Ret I	0.61	5.60	6.09	(5.43)	(6.22)	5.16	5.74	0.91	0.94	(1.03)	(0.52)	0.29	0.53
[25]	American Century One Choice I Average	0.67	7.88	8.97	(8.16)	(11.02)	6.51	6.97	0.84	0.80	0.18	0.76	(0.22)	0.15
[26]	RFTTX American Funds 2010 Trgt Date Retire R6	0.29	5.73	5.96	(5.20)	(5.97)	6.47	6.64	1.11	1.10	0.59	1.32	1.08	1.36
[27]	RFJTX American Funds 2015 Trgt Date Retire R6	0.30	6.13	6.74	(5.14)	(7.72)	7.08	7.13	1.14	1.05	1.20	1.62	1.23	1.30
[28]	RRCITX American Funds 2020 Trgt Date Retire R6	0.31	6.91	7.77	(5.63)	(9.65)	7.57	7.64	1.08	0.98	1.30	1.72	1.30	1.36
[29]	RFDITX American Funds 2025 Trgt Date Retire R6	0.32	8.04	9.40	(6.47)	(12.45)	8.29	8.45	1.02	0.90	1.48	1.76	1.43	1.67
[30]	RFETX American Funds 2030 Trgt Date Retire R6	0.33	9.19	10.39	(8.13)	(13.48)	8.62	8.75	0.94	0.85	1.17	1.70	1.33	1.57
[31]	RFFTX American Funds 2035 Trgt Date Retire R6	0.35	9.72	10.75	(9.04)	(13.85)	8.59	8.69	0.89	0.82	1.00	1.61	1.13	1.30
[32]	RFGTX American Funds 2040 Trgt Date Retire R6	0.37	9.95	10.97	(9.36)	(14.14)	8.61	8.73	0.87	0.81	1.05	1.65	1.09	1.15
[33]	RFHITX American Funds 2045 Trgt Date Retire R6	0.37	10.04	11.02	(9.47)	(14.17)	8.63	8.73	0.87	0.81	1.16	1.71	0.95	0.94
[34]	RFITX American Funds 2050 Trgt Date Retire R6	0.38	10.11	11.07	(9.53)	(14.23)	8.65	8.74	0.86	0.81	1.25	1.72	0.84	0.80
[35]	RFKTX American Funds 2055 Trgt Date Retire R6	0.38	10.11	11.09	(9.47)	(14.21)	8.61	8.74	0.86	0.80	1.28	1.65	0.70	0.68
[36]	RFUTX American Funds 2060 Trgt Date Retire R6	0.39	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[37]	American Funds Trgt Date Retire R6 Average	0.34	8.59	9.52	(7.74)	(11.99)	8.11	8.22	0.96	0.89	1.15	1.65	1.11	1.21
[38]	LIMKX BlackRock LifePath® Index 2020 K	0.15	6.14	7.11	(5.54)	(8.51)	5.99	5.85	0.97	0.83	0.44	0.48	(0.19)	(0.18)
[39]	LIBKX BlackRock LifePath® Index 2025 K	0.13	7.11	8.24	(6.71)	(10.28)	6.38	6.17	0.89	0.76	0.36	0.33	(0.10)	(0.19)
[40]	LINKX BlackRock LifePath® Index 2030 K	0.13	8.15	9.30	(7.95)	(11.75)	6.66	6.42	0.82	0.71	0.08	0.17	(0.14)	(0.23)
[41]	LJUKX BlackRock LifePath® Index 2035 K	0.14	9.01	10.23	(8.98)	(13.12)	6.92	6.65	0.78	0.67	(0.06)	(0.01)	(0.14)	(0.26)
[42]	LIKXK BlackRock LifePath® Index 2040 K	0.14	9.90	11.13	(10.01)	(14.38)	7.15	6.88	0.74	0.65	(0.27)	(0.18)	(0.07)	(0.22)
[43]	LJHKX BlackRock LifePath® Index 2045 K	0.14	10.37	11.80	(10.51)	(15.63)	7.42	7.03	0.73	0.63	(0.18)	(0.31)	0.03	(0.20)
[44]	LIPKX BlackRock LifePath® Index 2050 K	0.14	10.60	12.38	(10.65)	(16.79)	7.70	7.25	0.75	0.62	0.04	(0.38)	0.13	(0.14)
[45]	LIVKX BlackRock LifePath® Index 2055 K	0.14	10.81	12.81	(10.63)	(17.51)	8.02	7.49	0.76	0.62	0.28	(0.44)	0.30	(0.07)
[46]	LIZKX BlackRock LifePath® Index 2060 K	0.14	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[47]	LIRKX BlackRock LifePath® Index Retire K	0.13	4.91	5.24	(4.41)	(4.83)	5.37	5.32	1.07	1.00	(0.30)	(0.25)	0.74	0.69
[48]	BlackRock LifePath® Index K Average	0.14	8.55	9.80	(8.38)	(12.53)	6.84	6.56	0.83	0.72	0.04	(0.07)	0.06	(0.09)
[49]	FFVFX Fidelity Freedom 2005	0.47	4.94	5.61	(5.41)	(6.91)	4.54	4.17	0.91	0.74	(0.49)	(0.78)	(0.62)	(0.97)
[50]	FFFCX Fidelity Freedom 2010	0.48	6.00	6.84	(6.58)	(8.39)	5.23	4.90	0.87	0.72	(0.82)	(1.08)	0.07	(0.11)
[51]	FFVFX Fidelity Freedom 2015	0.52	6.74	7.32	(7.54)	(8.52)	5.48	5.10	0.81	0.71	(0.84)	(0.71)	(0.17)	(0.42)
[52]	FFDDX Fidelity Freedom 2020	0.56	7.38	8.23	(8.37)	(10.21)	5.74	5.30	0.78	0.66	(0.77)	(0.77)	(0.33)	(0.58)
[53]	FFTWX Fidelity Freedom 2025	0.61	8.35	9.47	(9.28)	(12.12)	6.33	5.85	0.77	0.64	(0.59)	(0.70)	(0.10)	(0.38)
[54]	FFFEH Fidelity Freedom 2030	0.65	9.69	10.43	(10.98)	(12.87)	6.46	5.97	0.69	0.60	(1.14)	(0.85)	(0.16)	(0.38)
[55]	FFTHX Fidelity Freedom 2035	0.69	10.50	11.58	(12.02)	(14.77)	6.72	6.19	0.66	0.57	(1.21)	(1.15)	(0.15)	(0.38)
[56]	FFFFX Fidelity Freedom 2040	0.73	10.49	11.66	(12.04)	(15.01)	6.78	6.25	0.67	0.57	(0.97)	(1.01)	(0.24)	(0.49)
[57]	FFFGX Fidelity Freedom 2045	0.75	10.49	11.86	(11.91)	(15.50)	6.86	6.33	0.68	0.57	(0.75)	(0.96)	(0.30)	(0.55)
[58]	FFHHX Fidelity Freedom 2050	0.75	10.55	12.14	(12.01)	(16.29)	6.89	6.27	0.68	0.56	(0.65)	(1.13)	(0.40)	(0.68)
[59]	FFDEH Fidelity Freedom 2055	0.75	10.56	12.27	(11.99)	(16.47)	7.06	6.43	0.69	0.56	(0.42)	(1.11)	(0.36)	(0.68)
[60]	FDKXX Fidelity Freedom 2060	0.75	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[61]	FFFAH Fidelity Freedom Income	0.47	3.53	3.64	(3.76)	(3.76)	3.68	3.43	1.02	0.92	(0.31)	(0.39)	(0.92)	(1.09)
[62]	Fidelity Freedom Average	0.63	8.27	9.25	(9.32)	(11.73)	5.98	5.52	0.77	0.65	(0.75)	(0.89)	(0.31)	(0.56)
[63]	JLAIX JHancock Multimanager 2010 Lifetime R6	1.01	5.91	7.13	(6.44)	(9.65)	5.06	5.33	0.85	0.75	(0.91)	(0.91)	(0.05)	0.13
[64]	JLBIX JHancock Multimanager 2015 Lifetime R6	0.97	6.78	8.17	(7.54)	(11.28)	5.45	5.64	0.80	0.70	(0.94)	(0.87)	(0.21)	(0.01)
[65]	JLDIX JHancock Multimanager 2020 Lifetime R6	0.92	7.78	9.40	(8.63)	(13.23)	5.95	5.94	0.77	0.65	(0.93)	(0.98)	(0.17)	(0.08)
[66]	JLEIX JHancock Multimanager 2025 Lifetime R6	0.91	8.90	10.65	(9.84)	(15.00)	6.44	6.29	0.74	0.62	(0.94)	(1.05)	(0.03)	(0.06)
[67]	JLFIH JHancock Multimanager 2030 Lifetime R6	0.90	9.93	11.66	(11.11)	(16.28)	6.69	6.47	0.69	0.59	(1.16)	(1.18)	(0.06)	(0.12)
[68]	JLHIH JHancock Multimanager 2035 Lifetime R6	0.91	10.56	12.29	(11.94)	(16.91)	6.85	6.60	0.67	0.58	(1.19)	(1.22)	(0.11)	(0.18)
[69]	JLIHJ JHancock Multimanager 2040 Lifetime R6	0.91	10.69	12.31	(12.08)	(16.80)	6.90	6.66	0.67	0.58	(1.05)	(1.03)	(0.21)	(0.29)
[70]	JLJIX JHancock Multimanager 2045 Lifetime R6	0.92	10.69	12.33	(12.09)	(16.80)	6.88	6.65	0.67	0.58	(0.90)	(0.96)	(0.33)	(0.43)
[71]	JLKRX JHancock Multimanager 2050 Lifetime R6	0.93	10.69	12.31	(12.05)	(16.82)	6.90	6.67	0.67	0.58	(0.77)	(0.88)	(0.51)	(0.56)
[72]	JLKTIX JHancock Multimanager 2055 Lifetime R6	0.95	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[73]	JESRX JHancock Multimanager 2060 Lifetime R6	0.99	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[74]	JHancock Multimanager Lifetime R6 Average	0.94	9.10	10.70	(10.19)	(14.75)	6.35	6.25	0.73	0.63	(0.98)	(1.01)	(0.18)	(0.18)

		[a]	[ab]	[ac]	[ad]	[ae]	[af]	[ag]	[ah]	[ai]	[aj]	[ak]	[al]	[am]	[an]
		Q2 2016													
Tickers	Fund Name	Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
			3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
[75]	JSFYX JPMorgan SmartRetirement® 2015 R6	0.46	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[76]	JTTYX JPMorgan SmartRetirement® 2020 R6	0.36	6.93	8.52	(7.51)	(11.30)	6.21	6.29	0.89	0.75	0.00	(0.06)	0.02	0.19	
[77]	JNSYX JPMorgan SmartRetirement® 2025 R6	0.36	8.00	9.90	(8.78)	(13.55)	6.73	6.77	0.84	0.70	0.04	(0.13)	0.21	0.26	
[78]	JSMYX JPMorgan SmartRetirement® 2030 R6	0.36	9.15	11.16	(10.45)	(15.52)	6.96	6.97	0.77	0.65	(0.33)	(0.41)	0.11	0.15	
[79]	SRJYX JPMorgan SmartRetirement® 2035 R6	0.41	9.91	12.10	(11.46)	(16.85)	7.20	7.25	0.74	0.63	(0.41)	(0.50)	0.08	0.14	
[80]	SMTYX JPMorgan SmartRetirement® 2040 R6	0.43	10.51	12.44	(12.34)	(16.93)	7.21	7.32	0.71	0.62	(0.62)	(0.48)	(0.02)	0.10	
[81]	JSAYX JPMorgan SmartRetirement® 2045 R6	0.43	10.48	12.41	(12.33)	(16.84)	7.19	7.35	0.71	0.63	(0.45)	(0.33)	(0.12)	0.04	
[82]	JTSYX JPMorgan SmartRetirement® 2050 R6	0.43	10.48	12.43	(12.24)	(16.91)	7.23	7.35	0.71	0.63	(0.30)	(0.30)	(0.21)	(0.06)	
[83]	JFFYX JPMorgan SmartRetirement® 2055 R6	0.44	10.57	N.A.	(12.18)	N.A.	7.33	N.A.	0.71	N.A.	(0.19)	N.A.	(0.22)	N.A.	
[84]	JAKYX JPMorgan SmartRetirement® 2060 R6	0.47	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[85]	JSIYX JPMorgan SmartRetirement® Income R6	0.37	5.03	5.83	(5.71)	(6.78)	4.61	4.66	0.91	0.80	(1.04)	(1.36)	0.04	0.06	
[86]	JPMorgan SmartRetirement® R6 Average	0.41	9.01	10.60	(10.34)	(14.33)	6.74	6.75	0.78	0.68	(0.37)	(0.45)	(0.01)	0.11	
[87]	TCLEX Nuveen Lifecycle 2010 Retirement	0.76	6.03	6.87	(5.97)	(7.99)	5.44	5.59	0.89	0.82	(0.71)	(0.48)	0.22	0.34	
[88]	TCLIX Nuveen Lifecycle 2015 Retirement	0.77	6.64	7.72	(6.65)	(9.52)	5.76	5.88	0.86	0.77	(0.54)	(0.31)	0.03	0.19	
[89]	TCLTX Nuveen Lifecycle 2020 Retirement	0.79	7.48	8.73	(7.62)	(11.24)	6.14	6.25	0.82	0.73	(0.52)	(0.25)	(0.05)	0.14	
[90]	TCLFX Nuveen Lifecycle 2025 Retirement	0.80	8.40	9.80	(8.72)	(12.93)	6.43	6.57	0.77	0.69	(0.56)	(0.26)	(0.04)	0.13	
[91]	TCLNX Nuveen Lifecycle 2030 Retirement	0.81	9.37	10.90	(9.90)	(14.58)	6.72	6.84	0.73	0.65	(0.73)	(0.38)	(0.05)	0.08	
[92]	TCLRX Nuveen Lifecycle 2035 Retirement	0.83	10.22	11.90	(10.92)	(16.14)	6.94	7.05	0.70	0.63	(0.86)	(0.58)	(0.07)	0.04	
[93]	TCLOX Nuveen Lifecycle 2040 Retirement	0.86	11.03	12.50	(12.02)	(16.45)	6.98	7.19	0.66	0.61	(1.17)	(0.63)	(0.13)	0.02	
[94]	TIFRX Nuveen Lifecycle 2045 Retirement	0.87	11.04	12.52	(12.05)	(16.44)	6.93	7.17	0.65	0.61	(1.06)	(0.56)	(0.24)	(0.07)	
[95]	TLFRX Nuveen Lifecycle 2050 Retirement	0.89	11.09	12.53	(12.10)	(16.40)	6.97	7.19	0.66	0.61	(0.94)	(0.50)	(0.35)	(0.16)	
[96]	TTRLX Nuveen Lifecycle 2055 Retirement	0.89	11.08	12.56	(12.12)	(16.49)	6.94	7.20	0.65	0.61	(0.87)	(0.57)	(0.43)	(0.25)	
[97]	TLXRX Nuveen Lifecycle 2060 Retirement	0.93	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[98]	Nuveen Lifecycle Retirement Average	0.84	9.24	10.60	(9.81)	(13.82)	6.52	6.69	0.74	0.67	(0.79)	(0.45)	(0.11)	0.05	
[99]	PTTIX Principal LifeTime 2010 Institutional	0.52	5.42	6.52	(5.97)	(8.21)	4.96	5.19	0.91	0.80	(0.58)	(0.57)	(0.18)	0.09	
[100]	LTINX Principal LifeTime 2015 Institutional	0.53	6.25	7.80	(6.97)	(10.77)	5.36	5.47	0.85	0.71	(0.59)	(0.77)	(0.44)	(0.14)	
[101]	PLWIX Principal LifeTime 2020 Institutional	0.54	7.26	9.05	(7.98)	(12.62)	5.89	6.00	0.81	0.68	(0.60)	(0.70)	(0.35)	(0.07)	
[102]	LTSTX Principal LifeTime 2025 Institutional	0.56	7.93	9.77	(8.83)	(13.65)	6.17	6.22	0.78	0.66	(0.47)	(0.58)	(0.35)	(0.15)	
[103]	PMTIX Principal LifeTime 2030 Institutional	0.58	8.57	10.39	(9.49)	(14.33)	6.44	6.44	0.76	0.65	(0.44)	(0.47)	(0.36)	(0.24)	
[104]	LTIUX Principal LifeTime 2035 Institutional	0.60	9.11	11.02	(10.03)	(15.22)	6.59	6.65	0.74	0.63	(0.45)	(0.47)	(0.44)	(0.28)	
[105]	PTDIX Principal LifeTime 2040 Institutional	0.63	9.66	11.55	(10.58)	(15.70)	6.74	6.79	0.71	0.62	(0.51)	(0.50)	(0.43)	(0.30)	
[106]	LTRIX Principal LifeTime 2045 Institutional	0.65	10.01	11.92	(11.12)	(16.15)	6.84	6.90	0.70	0.61	(0.49)	(0.51)	(0.44)	(0.32)	
[107]	PPLIX Principal LifeTime 2050 Institutional	0.67	10.29	12.29	(11.34)	(16.75)	6.94	6.97	0.69	0.60	(0.48)	(0.60)	(0.48)	(0.36)	
[108]	LTFIX Principal LifeTime 2055 Institutional	0.67	10.47	12.46	(11.51)	(17.02)	6.90	6.86	0.68	0.59	(0.55)	(0.85)	(0.58)	(0.54)	
[109]	PLTZX Principal LifeTime 2060 Institutional	0.67	10.54	N.A.	(11.59)	N.A.	7.02	N.A.	0.69	N.A.	(0.37)	N.A.	(0.43)	N.A.	
[110]	PLSIX Principal LifeTime Strategic Inc Instl	0.52	3.76	4.30	(4.13)	(4.68)	4.10	4.32	1.06	0.99	(0.22)	(0.21)	(0.68)	(0.29)	
[111]	Principal LifeTime Institutional Average	0.60	8.27	9.73	(9.13)	(13.19)	6.16	6.16	0.78	0.69	(0.48)	(0.57)	(0.43)	(0.24)	
[112]	SWBRX Schwab Target 2010	0.40	4.85	5.49	(4.06)	(6.07)	5.04	5.13	1.02	0.93	0.04	0.21	(0.13)	0.08	
[113]	SWGTX Schwab Target 2015	0.40	5.26	6.53	(4.27)	(8.29)	5.45	5.54	1.02	0.85	0.39	0.24	(0.27)	(0.12)	
[114]	SWCRX Schwab Target 2020	0.32	6.81	8.04	(6.30)	(10.23)	6.01	6.26	0.88	0.79	(0.09)	0.22	(0.19)	0.19	
[115]	SWHRX Schwab Target 2025	0.36	7.99	9.28	(7.76)	(11.84)	6.47	6.78	0.81	0.75	(0.21)	0.25	(0.01)	0.36	
[116]	SWDRX Schwab Target 2030	0.42	8.90	10.28	(8.91)	(13.36)	6.76	7.09	0.77	0.71	(0.35)	0.21	(0.03)	0.31	
[117]	SWIRX Schwab Target 2035	0.48	9.72	11.14	(9.93)	(14.44)	7.05	7.44	0.74	0.69	(0.42)	0.21	(0.01)	0.36	
[118]	SWERX Schwab Target 2040	0.51	10.42	11.82	(10.85)	(15.32)	7.20	7.64	0.71	0.68	(0.57)	0.16	(0.03)	0.33	
[119]	SWMRX Schwab Target 2045	0.57	10.76	N.A.	(11.31)	N.A.	7.29	N.A.	0.70	N.A.	(0.53)	N.A.	(0.05)	N.A.	
[120]	SWNRX Schwab Target 2050	0.60	11.02	N.A.	(11.61)	N.A.	7.42	N.A.	0.70	N.A.	(0.47)	N.A.	(0.08)	N.A.	
[121]	SWORX Schwab Target 2055	0.62	11.24	N.A.	(11.93)	N.A.	7.40	N.A.	0.68	N.A.	(0.54)	N.A.	(0.14)	N.A.	
[122]	SWPRX Schwab Target 2060	0.73	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[123]	Nuveen Lifecycle Average	0.49	8.70	8.94	(8.69)	(11.36)	6.61	6.55	0.80	0.77	(0.28)	0.22	(0.09)	0.22	
[124]	TRRFIX T. Rowe Price Retirement 2005	0.49	5.54	6.65	(5.21)	(8.11)	5.34	5.27	0.95	0.79	(0.35)	(0.62)	0.22	0.15	
[125]	TRRAX T. Rowe Price Retirement 2010	0.49	6.11	7.51	(5.75)	(9.60)	5.79	5.71	0.94	0.77	(0.45)	(0.89)	0.46	0.30	
[126]	TRRGX T. Rowe Price Retirement 2015	0.50	7.08	8.63	(6.76)	(11.23)	6.40	6.32	0.90	0.74	(0.34)	(0.57)	0.48	0.35	
[127]	TRRBX T. Rowe Price Retirement 2020	0.53	8.01	9.70	(7.87)	(12.69)	6.91	6.84	0.86	0.72	(0.24)	(0.35)	0.48	0.40	
[128]	TRRHX T. Rowe Price Retirement 2025	0.54	8.87	10.63	(8.86)	(13.90)	7.33	7.24	0.83	0.70	(0.08)	(0.15)	0.54	0.44	
[129]	TRRCX T. Rowe Price Retirement 2030	0.57	9.57	11.44	(9.72)	(15.05)	7.68	7.60	0.81	0.69	0.02	0.01	0.53	0.46	
[130]	TRRIX T. Rowe Price Retirement 2035	0.59	10.18	12.07	(10.45)	(15.89)	7.86	7.77	0.79	0.67	0.03	0.00	0.45	0.41	
[131]	TRRDX T. Rowe Price Retirement 2040	0.60	10.67	12.46	(11.11)	(16.18)	7.92	7.88	0.76	0.67	(0.05)	0.05	0.36	0.38	
[132]	TRRKX T. Rowe Price Retirement 2045	0.62	10.68	12.45	(11.19)	(16.03)	7.94	7.91	0.76	0.67	0.12	0.17	0.34	0.36	
[133]	TRRMX T. Rowe Price Retirement 2050	0.63	10.67	12.43	(11.11)	(16.07)	7.92	7.90	0.76	0.67	0.23	0.23	0.24	0.29	
[134]	TRRNX T. Rowe Price Retirement 2055	0.64	10.70	12.44	(11.17)	(15.96)	7.94	7.91	0.76	0.67	0.31	0.16	0.19	0.19	
[135]	TRRLX T. Rowe Price Retirement 2060	0.64	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[136]	T. Rowe Price Retirement Average	0.57	8.92	10.58	(9.02)	(13.70)	7.19	7.12	0.83	0.71	(0.07)	(0.18)	0.39	0.34	
[137]	VTOVX Vanguard Target Retirement 2005 Inv	0.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[138]	VTENX Vanguard Target Retirement 2010 Inv	0.13	4.48	5.44	(3.90)	(6.13)	5.53	5.55	1.21	1.01	0.84	0.65	0.60	0.71	
[139]	VTXVX Vanguard Target Retirement 2015 Fund	0.08	5.90	6.91	(5.34)	(8.24)	6.22	6.17	1.04	0.89	0.51	0.53	1.07	1.09	
[140]	VTWNX Vanguard Target Retirement 2020 Fund	0.08	6.98	8.06	(6.62)	(9.94)	6.76	6.67	0.96	0.83	0.44	0.57	1.15	1.11	
[141]	VTTVX Vanguard Target Retirement 2025 Fund	0.08	7.83	9.05	(7.69)	(11.49)	7.04	6.95	0.90	0.78	0.40	0.53	1.02	0.90	
[142]	VTHRX Vanguard Target Retirement 2030 Fund	0.08	8.65	10.04	(8.79)	(13.04)	7.27	7.21	0.85	0.74	0.26	0.43	0.72	0.75	
[143]	VTHHX Vanguard Target Retirement 2035 Fund	0.08	9.56	11.05	(9.90)	(14.59)	7.50	7.44	0.80	0.70	0.06	0.23	0.50	0.58	
[144]	VFORX Vanguard Target Retirement 2040 Fund	0.08	10.32	11.63	(11.08)	(14.93)	7.54	7.57	0.75	0.68	(0.24)	0.16	0.26.		

		[a]	[ao]	[ap]	[aq]	[ar]	[as]	[at]	[au]	[av]	[aw]	[ax]	[ay]	[az]	[ba]
		Q3 2016													
		Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
Tickers	Fund Name		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
[1]	Allspring Target 2010 R6	0.46	3.02	3.45	(2.53)	(3.15)	3.29	4.01	1.05	1.13	0.64	(0.00)	(0.54)	(1.05)	
[2]	Allspring Target 2015 R6	0.45	3.67	4.16	(3.45)	(3.45)	4.03	5.23	1.07	1.23	1.00	0.37	(0.40)	(0.93)	
[3]	Allspring Target 2020 R6	0.27	4.51	5.21	(4.57)	(4.57)	4.51	6.53	0.98	1.23	0.80	0.33	(0.39)	(0.90)	
[4]	Allspring Target 2025 R6	0.30	5.62	6.53	(6.10)	(6.10)	5.01	7.93	0.88	1.19	0.55	0.19	(0.35)	(0.85)	
[5]	Allspring Target 2030 R6	0.27	7.00	7.98	(7.71)	(7.71)	5.47	9.28	0.78	1.14	0.12	(0.07)	(0.36)	(0.79)	
[6]	Allspring Target 2035 R6	0.31	8.27	9.26	(9.66)	(9.66)	5.71	10.31	0.70	1.10	(0.32)	(0.37)	(0.41)	(0.61)	
[7]	Allspring Target 2040 R6	0.28	9.34	10.25	(11.16)	(11.16)	5.90	11.07	0.65	1.07	(0.68)	(0.61)	(0.38)	(0.36)	
[8]	Allspring Target 2045 R6	0.37	9.98	10.79	(12.20)	(12.20)	5.99	11.43	0.62	1.05	(0.85)	(0.74)	(0.37)	(0.32)	
[9]	Allspring Target 2050 R6	0.31	10.18	10.90	(12.58)	(12.58)	5.99	11.48	0.61	1.05	(0.82)	(0.71)	(0.42)	(0.46)	
[10]	Allspring Target 2055 R6	0.62	10.21	10.87	(12.55)	(12.55)	6.00	11.40	0.61	1.04	(0.73)	(0.74)	(0.45)	(0.64)	
[11]	Allspring Target 2060 R6	0.57	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[12]	Allspring Target Today R6	0.44	2.72	3.02	(2.24)	(3.16)	2.99	3.25	1.06	1.05	0.20	(0.45)	(0.68)	(1.18)	
[13]	Allspring Target R6 Average	0.39	6.77	7.49	(7.70)	(7.85)	4.99	8.36	0.82	1.12	(0.01)	(0.25)	(0.43)	(0.73)	
[14]	ARNIX American Century One Choice 2015 Instl	0.56	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[15]	ARBVX American Century One Choice 2020 I	0.63	5.79	6.38	(5.95)	(5.95)	5.38	8.50	0.92	1.30	0.28	0.56	(0.27)	(0.45)	
[16]	ARWFX American Century One Choice 2025 I	0.61	6.33	6.94	(6.62)	(6.62)	5.71	9.10	0.89	1.28	0.53	0.69	(0.12)	(0.49)	
[17]	ARCSX American Century One Choice 2030 I	0.63	6.92	7.59	(7.41)	(7.41)	6.01	9.78	0.86	1.26	0.62	0.75	(0.07)	(0.49)	
[18]	ARLIX American Century One Choice 2035 I	0.67	7.56	8.26	(8.22)	(8.22)	6.33	10.52	0.84	1.24	0.68	0.85	0.01	(0.37)	
[19]	ARDSX American Century One Choice 2040 I	0.69	8.18	8.93	(9.13)	(9.13)	6.69	11.23	0.82	1.23	0.77	0.89	0.18	(0.21)	
[20]	AOOIX American Century One Choice 2045 I	0.72	8.81	9.56	(9.79)	(9.79)	7.01	11.78	0.80	1.21	0.82	0.83	0.37	(0.06)	
[21]	ARFSX American Century One Choice 2050 I	0.74	9.10	9.85	(10.21)	(10.21)	7.10	12.03	0.79	1.20	0.84	0.83	0.33	(0.07)	
[22]	ARENX American Century One Choice 2055 I	0.75	9.40	10.08	(10.66)	(10.66)	7.25	12.25	0.78	1.19	0.90	0.82	0.37	(0.05)	
[23]	ARGNX American Century One Choice 2060 I	0.76	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[24]	ATTIX American Century One Choice In Ret I	0.61	5.30	5.66	(5.43)	(5.43)	5.03	7.69	0.93	1.32	(0.91)	(0.08)	0.36	0.96	
[25]	American Century One Choice I Average	0.67	7.49	8.14	(8.16)	(8.16)	6.28	10.32	0.85	1.25	0.51	0.68	0.13	(0.14)	
[26]	RFTTX American Funds 2010 Trgt Date Retire R6	0.29	5.42	5.53	(5.20)	(5.20)	5.86	8.34	1.06	1.46	0.34	1.02	0.88	1.25	
[27]	RFJTX American Funds 2015 Trgt Date Retire R6	0.30	5.67	6.15	(5.14)	(5.14)	6.22	9.28	1.08	1.46	0.90	1.38	0.84	1.06	
[28]	RRCTX American Funds 2020 Trgt Date Retire R6	0.31	6.41	7.00	(5.63)	(5.63)	6.67	10.38	1.02	1.44	1.05	1.61	0.95	1.16	
[29]	RFDTX American Funds 2025 Trgt Date Retire R6	0.32	7.42	8.36	(6.47)	(6.47)	7.11	12.01	0.95	1.39	1.09	1.81	1.02	1.79	
[30]	RFETX American Funds 2030 Trgt Date Retire R6	0.33	8.63	9.31	(8.13)	(8.13)	7.55	12.76	0.88	1.33	0.89	1.63	1.09	1.68	
[31]	RFFTX American Funds 2035 Trgt Date Retire R6	0.35	9.21	9.67	(9.04)	(9.04)	7.67	12.91	0.84	1.30	0.86	1.55	1.01	1.34	
[32]	RFGTX American Funds 2040 Trgt Date Retire R6	0.37	9.44	9.87	(9.36)	(9.36)	7.70	13.07	0.82	1.29	0.92	1.60	1.01	1.12	
[33]	RFHTX American Funds 2045 Trgt Date Retire R6	0.37	9.55	9.93	(9.47)	(9.47)	7.75	13.11	0.82	1.29	1.06	1.66	0.92	0.83	
[34]	RFITX American Funds 2050 Trgt Date Retire R6	0.38	9.61	9.98	(9.53)	(9.53)	7.77	13.13	0.82	1.28	1.17	1.71	0.86	0.64	
[35]	RFKTX American Funds 2055 Trgt Date Retire R6	0.38	9.60	9.99	(9.47)	(9.47)	7.75	13.13	0.82	1.28	1.25	1.70	0.77	0.50	
[36]	RFUTX American Funds 2060 Trgt Date Retire R6	0.39	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[37]	American Funds Trgt Date Retire R6 Average	0.34	8.10	8.58	(7.74)	(7.74)	7.21	11.81	0.91	1.35	0.95	1.57	0.94	1.14	
[38]	LIMKX BlackRock LifePath® Index 2020 K	0.15	5.77	6.46	(5.54)	(5.54)	5.53	8.34	0.94	1.26	0.44	0.32	(0.10)	(0.61)	
[39]	LIBKX BlackRock LifePath® Index 2025 K	0.13	6.74	7.46	(6.71)	(6.71)	5.90	9.18	0.87	1.20	0.40	0.19	0.06	(0.57)	
[40]	LINKX BlackRock LifePath® Index 2030 K	0.13	7.77	8.43	(7.95)	(7.95)	6.11	9.87	0.79	1.15	0.12	(0.06)	0.02	(0.60)	
[41]	LJKX BlackRock LifePath® Index 2035 K	0.14	8.63	9.26	(8.98)	(8.98)	6.37	10.51	0.75	1.12	0.01	(0.21)	0.05	(0.53)	
[42]	LKKX BlackRock LifePath® Index 2040 K	0.14	9.52	10.07	(10.01)	(10.01)	6.61	11.15	0.71	1.09	(0.15)	(0.35)	0.11	(0.31)	
[43]	LHKX BlackRock LifePath® Index 2045 K	0.14	9.97	10.63	(10.51)	(10.51)	6.83	11.68	0.70	1.09	(0.06)	(0.36)	0.19	(0.14)	
[44]	LIPKX BlackRock LifePath® Index 2050 K	0.14	10.15	11.08	(10.65)	(10.65)	7.03	12.25	0.71	1.09	0.15	(0.23)	0.28	0.09	
[45]	LIVKX BlackRock LifePath® Index 2055 K	0.14	10.30	11.43	(10.63)	(10.63)	7.21	12.67	0.72	1.10	0.32	(0.18)	0.38	0.25	
[46]	LIZKX BlackRock LifePath® Index 2060 K	0.14	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[47]	LIRKX BlackRock LifePath® Index Retire K	0.13	4.62	4.92	(4.41)	(4.41)	5.04	6.80	1.07	1.35	(0.37)	(0.16)	0.70	1.07	
[48]	BlackRock LifePath® Index K Average	0.14	8.16	8.86	(8.38)	(8.38)	6.29	10.27	0.81	1.16	0.10	(0.12)	0.19	(0.15)	
[49]	FFVX Fidelity Freedom 2005	0.47	4.79	5.03	(5.41)	(5.41)	4.51	6.27	0.92	1.22	(0.36)	(0.33)	(0.26)	(0.66)	
[50]	FFFCX Fidelity Freedom 2010	0.48	5.75	6.15	(6.58)	(6.58)	5.02	7.49	0.86	1.19	(0.76)	(0.55)	0.18	0.41	
[51]	FFVFX Fidelity Freedom 2015	0.52	6.54	6.67	(7.54)	(7.54)	5.37	7.82	0.82	1.15	(0.69)	(0.55)	0.08	(0.18)	
[52]	FFDXX Fidelity Freedom 2020	0.56	7.18	7.42	(8.37)	(8.37)	5.61	8.50	0.78	1.13	(0.57)	(0.55)	(0.01)	(0.39)	
[53]	FFTWX Fidelity Freedom 2025	0.61	8.06	8.50	(9.28)	(9.28)	6.01	9.62	0.75	1.12	(0.42)	(0.48)	0.11	(0.15)	
[54]	FFEX Fidelity Freedom 2030	0.65	9.48	9.47	(10.98)	(10.98)	6.32	10.09	0.68	1.05	(0.81)	(0.83)	0.10	(0.24)	
[55]	FFTHX Fidelity Freedom 2035	0.69	10.25	10.45	(12.02)	(12.02)	6.45	10.89	0.65	1.04	(0.91)	(0.99)	0.06	(0.12)	
[56]	FFFFX Fidelity Freedom 2040	0.73	10.21	10.50	(12.04)	(12.04)	6.46	11.00	0.65	1.04	(0.70)	(0.84)	(0.00)	(0.30)	
[57]	FFFGX Fidelity Freedom 2045	0.75	10.21	10.63	(11.91)	(11.91)	6.53	11.22	0.66	1.05	(0.47)	(0.70)	(0.02)	(0.37)	
[58]	FFHFX Fidelity Freedom 2050	0.75	10.26	10.82	(12.01)	(12.01)	6.52	11.39	0.66	1.05	(0.37)	(0.67)	(0.10)	(0.45)	
[59]	FDEEX Fidelity Freedom 2055	0.75	10.20	10.91	(11.99)	(11.99)	6.57	11.58	0.66	1.05	(0.21)	(0.58)	(0.11)	(0.45)	
[60]	FDKXX Fidelity Freedom 2060	0.75	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[61]	FFFAX Fidelity Freedom Income	0.47	3.43	3.41	(3.76)	(3.76)	3.80	4.59	1.07	1.31	(0.17)	(0.13)	(0.57)	(1.03)	
[62]	Fidelity Freedom Average	0.63	8.03	8.33	(9.32)	(9.32)	5.76	9.20	0.76	1.12	(0.54)	(0.60)	(0.04)	(0.33)	
[63]	JLAIX JHancock Multimanager 2010 Lifetime R6	1.01	5.65	6.29	(6.44)	(6.44)	4.89	8.15	0.86	1.26	(0.81)	(0.13)	0.11	0.82	
[64]	JLBIX JHancock Multimanager 2015 Lifetime R6	0.97	6.46	7.20	(7.54)	(7.54)	5.19	8.94	0.80	1.22	(0.80)	(0.22)	(0.04)	0.64	
[65]	JLDIX JHancock Multimanager 2020 Lifetime R6	0.92	7.39	8.27	(8.63)	(8.63)	5.57	9.85	0.76	1.17	(0.79)	(0.34)	(0.04)	0.53	
[66]	JLEIX JHancock Multimanager 2025 Lifetime R6	0.91	8.48	9.39	(9.84)	(9.84)	5.89	10.73	0.70	1.13	(0.86)	(0.50)	0.03	0.54	
[67]	JLFIX JHancock Multimanager 2030 Lifetime R6	0.90	9.50	10.33	(11.11)	(11.11)	6.09	11.35	0.66	1.09	(1.08)	(0.73)	(0.00)	0.41	
[68]	JLHIX JHancock Multimanager 2035 Lifetime R6	0.91	10.10	10.93	(11.94)	(11.94)	6.18	11.73	0.63	1.06	(1.12)	(0.85)	(0.07)	0.31	
[69]	JLIIX JHancock Multimanager 2040 Lifetime R6	0.91	10.22	10.98	(12.08)	(12.08)	6.26	11.79	0.63	1.06	(0.93)	(0.71)	(0.12)	0.15	
[70]	JLIIX JHancock Multimanager 2045 Lifetime R6	0.92	10.24	11.00	(12.09)	(12.09)	6.24	11.79	0.63	1.06	(0.78)	(0.64)	(0.21)	(0.06)	
[71]	JKRRX JHancock Multimanager 2050 Lifetime R6	0.93	10.22	10.98	(12.05)	(12.05)	6.27	11.82	0.64	1.07	(0.61)	(0.50)	(0.31)	(0.23)	
[72]	JLKTIX JHancock Multimanager 2055 Lifetime R6	0.95	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[73]	JESRX JHancock Multimanager 2060 Lifetime R6	0.99	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[74]	JHancock Multimanager Lifetime R6 Average	0.94	8.70	9.49	(10.19)	(10.19)	5.84	10.68	0.70	1.12	(0.87)	(0.51)	(0.07)	0.35	

		[a]	[ao]	[ap]	[aq]	[ar]	[as]	[at]	[au]	[av]	[aw]	[ax]	[ay]	[az]	[ba]
		Q3 2016													
		Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
Tickers	Fund Name		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
[75]	JSFYX JPMorgan SmartRetirement® 2015 R6	0.46	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[76]	JTTYX JPMorgan SmartRetirement® 2020 R6	0.36	6.55	7.57	(7.51)	(7.51)	5.84	9.56	0.88	1.23	0.12	0.17	0.22	0.51	
[77]	JNSYX JPMorgan SmartRetirement® 2025 R6	0.36	7.57	8.75	(8.78)	(8.78)	6.22	10.70	0.82	1.20	0.13	0.17	0.32	0.69	
[78]	JSMYX JPMorgan SmartRetirement® 2030 R6	0.36	8.67	9.85	(10.45)	(10.45)	6.35	11.49	0.74	1.15	(0.25)	(0.11)	0.17	0.60	
[79]	SRJYX JPMorgan SmartRetirement® 2035 R6	0.41	9.40	10.68	(11.46)	(11.46)	6.49	12.19	0.70	1.13	(0.37)	(0.17)	0.10	0.62	
[80]	SMTYX JPMorgan SmartRetirement® 2040 R6	0.43	10.00	11.06	(12.34)	(12.34)	6.55	12.36	0.67	1.10	(0.50)	(0.29)	0.06	0.49	
[81]	JSAYX JPMorgan SmartRetirement® 2045 R6	0.43	9.98	11.04	(12.33)	(12.33)	6.55	12.37	0.67	1.11	(0.32)	(0.16)	(0.00)	0.34	
[82]	JTSYX JPMorgan SmartRetirement® 2050 R6	0.43	9.98	11.05	(12.24)	(12.24)	6.57	12.38	0.68	1.11	(0.16)	(0.05)	(0.07)	0.18	
[83]	JFFYX JPMorgan SmartRetirement® 2055 R6	0.44	10.01	N.A.	(12.18)	N.A.	6.62	N.A.	0.68	N.A.	(0.05)	N.A.	(0.08)	N.A.	
[84]	JAKYX JPMorgan SmartRetirement® 2060 R6	0.47	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[85]	JSIYX JPMorgan SmartRetirement® Income R6	0.37	4.81	5.30	(5.71)	(5.71)	4.47	6.58	0.91	1.21	(1.03)	(0.75)	0.14	0.56	
[86]	JPMorgan SmartRetirement® R6 Average	0.41	8.55	9.41	(10.34)	(10.10)	6.18	10.95	0.75	1.15	(0.27)	(0.15)	0.10	0.50	
[87]	TCLEX Nuveen Lifecycle 2010 Retirement	0.76	5.67	6.27	(5.97)	(5.97)	5.12	8.05	0.89	1.25	(0.62)	(0.23)	0.27	0.82	
[88]	TCLIX Nuveen Lifecycle 2015 Retirement	0.77	6.25	6.99	(6.65)	(6.65)	5.42	8.78	0.86	1.23	(0.41)	(0.13)	0.14	0.60	
[89]	TCLTX Nuveen Lifecycle 2020 Retirement	0.79	7.05	7.86	(7.62)	(7.62)	5.69	9.64	0.81	1.20	(0.42)	(0.08)	0.05	0.52	
[90]	TCLFX Nuveen Lifecycle 2025 Retirement	0.80	7.95	8.80	(8.72)	(8.72)	5.97	10.49	0.76	1.17	(0.39)	(0.07)	0.09	0.51	
[91]	TCLNX Nuveen Lifecycle 2030 Retirement	0.81	8.91	9.78	(9.90)	(9.90)	6.19	11.27	0.71	1.14	(0.56)	(0.21)	0.06	0.47	
[92]	TCLRX Nuveen Lifecycle 2035 Retirement	0.83	9.71	10.64	(10.92)	(10.92)	6.34	11.97	0.67	1.11	(0.70)	(0.32)	0.01	0.48	
[93]	TCLOX Nuveen Lifecycle 2040 Retirement	0.86	10.51	11.26	(12.02)	(12.02)	6.37	12.28	0.63	1.08	(0.97)	(0.55)	(0.04)	0.38	
[94]	TTRFX Nuveen Lifecycle 2045 Retirement	0.87	10.55	11.29	(12.05)	(12.05)	6.40	12.30	0.63	1.08	(0.80)	(0.45)	(0.08)	0.25	
[95]	TLFRX Nuveen Lifecycle 2050 Retirement	0.89	10.60	11.30	(12.10)	(12.10)	6.44	12.30	0.63	1.08	(0.66)	(0.37)	(0.14)	0.11	
[96]	TTRLX Nuveen Lifecycle 2055 Retirement	0.89	10.61	11.33	(12.12)	(12.12)	6.42	12.36	0.63	1.08	(0.58)	(0.33)	(0.18)	0.02	
[97]	TLRRX Nuveen Lifecycle 2060 Retirement	0.93	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[98]	Nuveen Lifecycle Retirement Average	0.84	8.78	9.55	(9.81)	(9.81)	6.04	10.94	0.72	1.14	(0.61)	(0.27)	0.02	0.42	
[99]	PTTIX Principal LifeTime 2010 Institutional	0.52	5.10	5.80	(5.97)	(5.97)	4.59	7.54	0.88	1.27	(0.60)	(0.13)	(0.16)	0.63	
[100]	LTINX Principal LifeTime 2015 Institutional	0.53	5.87	6.84	(6.97)	(6.97)	4.87	8.50	0.82	1.22	(0.63)	(0.24)	(0.45)	0.43	
[101]	PLWIX Principal LifeTime 2020 Institutional	0.54	6.81	7.95	(7.98)	(7.98)	5.30	9.59	0.78	1.18	(0.62)	(0.25)	(0.37)	0.50	
[102]	LTSTX Principal LifeTime 2025 Institutional	0.56	7.46	8.59	(8.83)	(8.83)	5.53	10.14	0.74	1.16	(0.48)	(0.20)	(0.35)	0.30	
[103]	PMTIX Principal LifeTime 2030 Institutional	0.58	8.08	9.19	(9.49)	(9.49)	5.67	10.58	0.71	1.13	(0.51)	(0.25)	(0.43)	0.01	
[104]	LTUUX Principal LifeTime 2035 Institutional	0.60	8.57	9.74	(10.03)	(10.03)	5.72	11.03	0.68	1.12	(0.56)	(0.27)	(0.55)	(0.09)	
[105]	PTDIX Principal LifeTime 2040 Institutional	0.63	9.10	10.27	(10.58)	(10.58)	5.82	11.35	0.66	1.09	(0.63)	(0.40)	(0.54)	(0.18)	
[106]	LTRLX Principal LifeTime 2045 Institutional	0.65	9.46	10.61	(11.12)	(11.12)	5.93	11.60	0.64	1.08	(0.60)	(0.43)	(0.53)	(0.23)	
[107]	PPLIX Principal LifeTime 2050 Institutional	0.67	9.73	10.93	(11.34)	(11.34)	6.00	11.87	0.64	1.08	(0.57)	(0.42)	(0.53)	(0.22)	
[108]	LTFIX Principal LifeTime 2055 Institutional	0.67	9.93	11.07	(11.51)	(11.51)	6.01	11.84	0.63	1.06	(0.59)	(0.58)	(0.57)	(0.39)	
[109]	PLTZX Principal LifeTime 2060 Institutional	0.67	9.91	N.A.	(11.59)	N.A.	5.98	N.A.	0.62	N.A.	(0.52)	N.A.	(0.56)	N.A.	
[110]	PLSIX Principal LifeTime Strategic Inc Instl	0.52	3.56	3.94	(4.13)	(4.13)	3.97	5.58	1.08	1.38	(0.18)	0.08	(0.48)	(0.11)	
[111]	Principal LifeTime Institutional Average	0.60	7.80	8.63	(9.13)	(8.90)	5.45	9.97	0.74	1.16	(0.54)	(0.28)	(0.46)	0.06	
[112]	SWBRX Schwab Target 2010	0.40	4.51	5.02	(4.06)	(4.06)	4.69	6.91	1.02	1.34	0.06	0.23	(0.06)	0.02	
[113]	SWGTX Schwab Target 2015	0.40	4.83	5.80	(4.27)	(4.27)	4.94	7.92	1.00	1.33	0.36	0.46	(0.31)	(0.18)	
[114]	SWCRX Schwab Target 2020	0.32	6.34	7.22	(6.30)	(6.30)	5.43	9.26	0.85	1.25	(0.10)	0.29	(0.20)	0.24	
[115]	SWHRX Schwab Target 2025	0.36	7.48	8.36	(7.76)	(7.76)	5.89	10.34	0.79	1.21	(0.12)	0.27	0.04	0.49	
[116]	SWDRX Schwab Target 2030	0.42	8.39	9.24	(8.91)	(8.91)	6.18	11.13	0.74	1.18	(0.22)	0.22	0.06	0.47	
[117]	SWIRX Schwab Target 2035	0.48	9.18	10.03	(9.93)	(9.93)	6.42	11.85	0.71	1.16	(0.29)	0.20	0.07	0.55	
[118]	SWERX Schwab Target 2040	0.51	9.89	10.66	(10.85)	(10.85)	6.61	12.39	0.69	1.14	(0.37)	0.17	0.09	0.56	
[119]	SWMRX Schwab Target 2045	0.57	10.21	N.A.	(11.31)	N.A.	6.68	N.A.	0.67	N.A.	(0.33)	N.A.	0.07	N.A.	
[120]	SWNRX Schwab Target 2050	0.60	10.47	N.A.	(11.61)	N.A.	6.80	N.A.	0.67	N.A.	(0.24)	N.A.	0.08	N.A.	
[121]	SWORX Schwab Target 2055	0.62	10.71	N.A.	(11.93)	N.A.	6.81	N.A.	0.66	N.A.	(0.27)	N.A.	0.05	N.A.	
[122]	SWPRX Schwab Target 2060	0.73	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[123]	Nuveen Lifecycle Average	0.49	8.20	8.05	(8.69)	(7.44)	6.05	9.97	0.78	1.23	(0.15)	0.26	(0.01)	0.31	
[124]	TRRFEX T. Rowe Price Retirement 2005	0.49	5.18	5.97	(5.21)	(5.21)	5.07	7.65	0.96	1.25	(0.22)	(0.26)	0.35	0.68	
[125]	TRRAX T. Rowe Price Retirement 2010	0.49	5.72	6.71	(5.75)	(5.75)	5.43	8.50	0.94	1.24	(0.38)	(0.35)	0.49	0.90	
[126]	TRRGX T. Rowe Price Retirement 2015	0.50	6.64	7.70	(6.76)	(6.76)	5.88	9.62	0.88	1.22	(0.33)	(0.21)	0.45	0.92	
[127]	TRRBX T. Rowe Price Retirement 2020	0.53	7.53	8.64	(7.87)	(7.87)	6.29	10.65	0.83	1.21	(0.25)	(0.06)	0.46	0.94	
[128]	TRRHX T. Rowe Price Retirement 2025	0.54	8.36	9.50	(8.86)	(8.86)	6.64	11.49	0.80	1.19	(0.07)	0.07	0.51	0.95	
[129]	TRRCX T. Rowe Price Retirement 2030	0.57	9.04	10.22	(9.72)	(9.72)	6.91	12.24	0.77	1.18	0.01	0.19	0.49	0.92	
[130]	TRRIX T. Rowe Price Retirement 2035	0.59	9.64	10.80	(10.45)	(10.45)	7.05	12.72	0.74	1.16	0.01	0.20	0.41	0.85	
[131]	TRRDXX T. Rowe Price Retirement 2040	0.60	10.13	11.18	(11.11)	(11.11)	7.13	12.98	0.72	1.14	(0.02)	0.18	0.36	0.75	
[132]	TRRKX T. Rowe Price Retirement 2045	0.62	10.14	11.20	(11.19)	(11.19)	7.13	12.97	0.72	1.14	0.13	0.25	0.34	0.65	
[133]	TRRMX T. Rowe Price Retirement 2050	0.63	10.14	11.17	(11.11)	(11.11)	7.11	12.96	0.72	1.14	0.27	0.38	0.28	0.51	
[134]	TRRNX T. Rowe Price Retirement 2055	0.64	10.17	11.20	(11.17)	(11.17)	7.13	12.95	0.72	1.14	0.36	0.34	0.25	0.38	
[135]	TRRLX T. Rowe Price Retirement 2060	0.64	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[136]	T. Rowe Price Retirement Average	0.57	8.42	9.48	(9.02)	(9.02)	6.52	11.34	0.80	1.18	(0.04)	0.07	0.40	0.77	
[137]	VTOVX Vanguard Target Retirement 2005 Inv	0.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[138]	VTENX Vanguard Target Retirement 2010 Inv	0.13	4.13	4.93	(3.90)	(3.90)	5.08	7.28	1.20	1.44	0.77	0.69	0.52	0.60	
[139]	VTXVX Vanguard Target Retirement 2015 Fund	0.08	5.51	6.25	(5.34)	(5.34)	5.71	8.61	1.02	1.34	0.47	0.53	1.03	1.12	
[140]	VTWNX Vanguard Target Retirement 2020 Fund	0.08	6.57	7.29	(6.62)	(6.62)	6.21	9.63	0.94	1.29	0.42	0.50	1.14	1.11	
[141]	VTTVX Vanguard Target Retirement 2025 Fund	0.08	7.38	8.16	(7.69)	(7.69)	6.46	10.39	0.87	1.25	0.44	0.49	1.08	0.94	
[142]	VTHRX Vanguard Target Retirement 2030 Fund	0.08	8.19	9.03	(8.79)	(8.79)	6.64	11.12	0.81	1.21	0.30	0.38	0.80	0.82	
[143]	VTHHX Vanguard Target Retirement 2035 Fund	0.08	9.05	9.91	(9.90)	(9.90)	6.80	11.83	0.76	1.17	0.11	0.25	0.55	0.87	
[144]	VFORX Vanguard Target Retirement 2040 Fund	0.08	9.82	10.51	(11.08)	(11.08)	6.84	12.13	0.71	1.14	(0.15)	0.03	0.33	0.58	
[145]	VTIVX Vanguard Target Retirement 2045 Fund	0.08	9.88	10.56	(11.16)	(11.16)	6.86	12.14	0.71	1.13	(0.02)	0.08	0.32	0.31	
[146]	VFIEX Vanguard Target Retirement 2050 Fund	0.08	9.87	10.54	(11.19)	(11.19)	6.85	12.14	0.71	1.13	0.12	0.19	0.22	0.01	
[147]	VFFVX Vanguard Target Retirement 2055 Fund	0.08	9.86	10.54	(11.26)	(11.26)	6.80	12.13	0.71	1.13	0.17	0.18	0.09	(0.22)	
[148]	VTISX Vanguard Target Retirement 2060 Fund	0.08	9.87	N.A.	(11.27)	N.A.	6.81	N.A.	0.71	N.A.	0.26	N.A.	0.14	N.A.	
[149]	VTINX Vanguard Target Retirement Income Fund	0.08	3.61	3.95	(3.46)	(3.46)	4.68	5.94	1.26	1.46					

[a]		[bb]	[bc]	[bd]	[be]	[bf]	[bg]	[bh]	[bi]	[bj]	[bk]	[bl]	[bm]	[bn]
		Q4 2016												
Tickers	Fund Name	Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio	
			3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y
[1]	Allspring Target 2010 R6	0.46	3.26	3.40	(3.01)	(3.15)	1.99	2.87	0.58	0.82	(0.10)	(0.59)	(0.56)	(1.09)
[2]	Allspring Target 2015 R6	0.45	3.98	4.06	(3.61)	(3.61)	2.31	3.81	0.56	0.91	(0.04)	(0.37)	(0.49)	(0.99)
[3]	Allspring Target 2020 R6	0.27	4.69	4.93	(4.57)	(4.57)	2.63	5.01	0.55	0.99	(0.17)	(0.29)	(0.51)	(0.96)
[4]	Allspring Target 2025 R6	0.30	5.68	6.04	(6.10)	(6.10)	3.06	6.34	0.53	1.03	(0.24)	(0.26)	(0.50)	(0.91)
[5]	Allspring Target 2030 R6	0.27	7.00	7.31	(7.71)	(7.71)	3.53	7.63	0.51	1.03	(0.40)	(0.37)	(0.52)	(0.85)
[6]	Allspring Target 2035 R6	0.31	8.25	8.50	(9.66)	(9.66)	3.80	8.68	0.48	1.01	(0.64)	(0.52)	(0.54)	(0.66)
[7]	Allspring Target 2040 R6	0.28	9.30	9.42	(11.16)	(11.16)	4.02	9.46	0.45	1.00	(0.82)	(0.65)	(0.49)	(0.40)
[8]	Allspring Target 2045 R6	0.37	9.96	9.97	(12.20)	(12.20)	4.15	9.86	0.44	0.98	(0.87)	(0.76)	(0.43)	(0.33)
[9]	Allspring Target 2050 R6	0.31	10.17	10.09	(12.58)	(12.58)	4.25	9.96	0.45	0.98	(0.75)	(0.71)	(0.39)	(0.44)
[10]	Allspring Target 2055 R6	0.62	10.19	10.11	(12.55)	(12.55)	4.20	9.91	0.44	0.98	(0.73)	(0.78)	(0.44)	(0.62)
[11]	Allspring Target 2060 R6	0.57	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[12]	Allspring Target Today R6	0.44	2.96	3.04	(2.86)	(3.16)	1.83	2.29	0.58	0.72	(0.41)	(0.95)	(0.71)	(1.22)
[13]	Allspring Target R6 Average	0.39	6.86	6.99	(7.82)	(7.86)	3.25	6.89	0.51	0.95	(0.47)	(0.57)	(0.51)	(0.77)
[14]	ARNIX American Century One Choice 2015 Instl	0.56	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[15]	ARBVX American Century One Choice 2020 I	0.63	5.75	5.79	(5.95)	(5.95)	3.83	7.10	0.66	1.20	0.05	0.41	(0.37)	(0.48)
[16]	ARWFX American Century One Choice 2025 I	0.61	6.28	6.32	(6.62)	(6.62)	3.99	7.62	0.63	1.18	0.17	0.49	(0.28)	(0.53)
[17]	ARCSX American Century One Choice 2030 I	0.63	6.86	6.91	(7.41)	(7.41)	4.20	8.24	0.61	1.17	0.24	0.54	(0.22)	(0.52)
[18]	ARLIX American Century One Choice 2035 I	0.67	7.49	7.51	(8.22)	(8.22)	4.42	8.90	0.60	1.16	0.28	0.63	(0.17)	(0.43)
[19]	ARDSX American Century One Choice 2040 I	0.69	8.10	8.13	(9.13)	(9.13)	4.63	9.53	0.58	1.15	0.30	0.66	(0.09)	(0.30)
[20]	AOOIX American Century One Choice 2045 I	0.72	8.73	8.71	(9.79)	(9.79)	4.86	10.02	0.57	1.13	0.34	0.60	0.02	(0.20)
[21]	ARFSX American Century One Choice 2050 I	0.74	9.03	8.98	(10.21)	(10.21)	4.91	10.21	0.56	1.12	0.35	0.57	0.00	(0.25)
[22]	ARENX American Century One Choice 2055 I	0.75	9.32	9.21	(10.66)	(10.66)	5.05	10.42	0.56	1.11	0.44	0.55	0.08	(0.24)
[23]	ARGNX American Century One Choice 2060 I	0.76	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[24]	ATTIX American Century One Choice In Ret I	0.61	5.28	5.21	(5.43)	(5.43)	3.64	6.46	0.68	1.21	(0.66)	0.27	0.20	0.90
[25]	American Century One Choice I Average	0.67	7.43	7.42	(8.16)	(8.16)	4.39	8.72	0.61	1.16	0.17	0.52	(0.09)	(0.23)
[26]	RFTTX American Funds 2010 Trgt Date Retire R6	0.29	5.35	5.23	(5.20)	(5.20)	4.40	7.19	0.81	1.34	0.37	0.92	0.71	1.29
[27]	RFJTX American Funds 2015 Trgt Date Retire R6	0.30	5.57	5.77	(5.14)	(5.14)	4.46	8.04	0.79	1.35	0.56	1.22	0.48	1.18
[28]	RRCITX American Funds 2020 Trgt Date Retire R6	0.31	6.27	6.53	(5.63)	(5.63)	4.61	8.95	0.73	1.33	0.52	1.37	0.38	1.18
[29]	RFDITX American Funds 2025 Trgt Date Retire R6	0.32	7.22	7.73	(6.47)	(6.47)	4.67	10.40	0.65	1.31	0.35	1.63	0.29	1.60
[30]	RFEITX American Funds 2030 Trgt Date Retire R6	0.33	8.46	8.67	(8.13)	(8.13)	5.03	11.14	0.61	1.25	0.24	1.43	0.40	1.58
[31]	RFFTX American Funds 2035 Trgt Date Retire R6	0.35	9.07	9.06	(9.04)	(9.04)	5.15	11.31	0.58	1.22	0.23	1.31	0.35	1.31
[32]	RFGTX American Funds 2040 Trgt Date Retire R6	0.37	9.30	9.24	(9.36)	(9.36)	5.19	11.46	0.57	1.21	0.28	1.35	0.32	1.11
[33]	RFHITX American Funds 2045 Trgt Date Retire R6	0.37	9.42	9.30	(9.47)	(9.47)	5.28	11.51	0.58	1.21	0.44	1.40	0.31	0.83
[34]	RFITX American Funds 2050 Trgt Date Retire R6	0.38	9.47	9.35	(9.53)	(9.53)	5.28	11.52	0.58	1.21	0.52	1.43	0.26	0.61
[35]	RFKITX American Funds 2055 Trgt Date Retire R6	0.38	9.47	9.35	(9.47)	(9.47)	5.26	11.50	0.57	1.20	0.58	1.39	0.22	0.43
[36]	RFUTX American Funds 2060 Trgt Date Retire R6	0.39	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[37]	American Funds Trgt Date Retire R6 Average	0.34	7.96	8.02	(7.74)	(7.74)	4.93	10.30	0.65	1.26	0.41	1.35	0.37	1.11
[38]	LIMKX BlackRock LifePath® Index 2020 K	0.15	5.79	5.92	(5.54)	(5.54)	3.97	6.86	0.68	1.13	0.17	0.06	(0.21)	(0.69)
[39]	LIBKX BlackRock LifePath® Index 2025 K	0.13	6.75	6.84	(6.71)	(6.71)	4.24	7.63	0.63	1.09	0.17	(0.05)	(0.08)	(0.65)
[40]	LINKX BlackRock LifePath® Index 2030 K	0.13	7.78	7.77	(7.95)	(7.95)	4.42	8.28	0.58	1.05	(0.02)	(0.29)	(0.08)	(0.66)
[41]	LJUKX BlackRock LifePath® Index 2035 K	0.14	8.65	8.55	(8.98)	(8.98)	4.60	8.85	0.55	1.02	(0.11)	(0.45)	(0.05)	(0.62)
[42]	LIKXK BlackRock LifePath® Index 2040 K	0.14	9.55	9.33	(10.01)	(10.01)	4.74	9.42	0.52	1.00	(0.26)	(0.61)	(0.01)	(0.44)
[43]	LJHKX BlackRock LifePath® Index 2045 K	0.14	9.99	9.86	(10.51)	(10.51)	4.84	9.89	0.51	1.00	(0.24)	(0.62)	0.00	(0.30)
[44]	LIPKX BlackRock LifePath® Index 2050 K	0.14	10.17	10.20	(10.65)	(10.65)	4.93	10.33	0.51	1.01	(0.12)	(0.50)	0.02	(0.20)
[45]	LIVKX BlackRock LifePath® Index 2055 K	0.14	10.29	10.50	(10.63)	(10.63)	5.01	10.71	0.51	1.01	(0.01)	(0.44)	0.06	(0.08)
[46]	LIZKX BlackRock LifePath® Index 2060 K	0.14	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[47]	LIRKX BlackRock LifePath® Index Retire K	0.13	4.67	4.63	(4.41)	(4.41)	3.72	5.58	0.78	1.17	(0.30)	(0.13)	0.46	0.90
[48]	BlackRock LifePath® Index K Average	0.14	8.18	8.18	(8.38)	(8.38)	4.50	8.62	0.58	1.05	(0.08)	(0.34)	0.01	(0.30)
[49]	FFVFX Fidelity Freedom 2005	0.47	4.82	4.68	(5.41)	(5.41)	3.32	5.33	0.67	1.11	(0.33)	(0.23)	(0.24)	(0.46)
[50]	FFFCX Fidelity Freedom 2010	0.48	5.75	5.72	(6.58)	(6.58)	3.62	6.42	0.62	1.10	(0.65)	(0.36)	0.06	0.47
[51]	FFVFX Fidelity Freedom 2015	0.52	6.55	6.27	(7.54)	(7.54)	3.91	6.80	0.60	1.06	(0.61)	(0.46)	(0.01)	0.01
[52]	FFDIX Fidelity Freedom 2020	0.56	7.17	6.92	(8.37)	(8.37)	4.07	7.36	0.57	1.05	(0.54)	(0.49)	(0.08)	(0.23)
[53]	FFTWX Fidelity Freedom 2025	0.61	8.03	7.88	(9.28)	(9.28)	4.26	8.36	0.54	1.05	(0.48)	(0.39)	(0.04)	(0.01)
[54]	FFFEX Fidelity Freedom 2030	0.65	9.47	8.90	(10.98)	(10.98)	4.49	8.86	0.50	0.99	(0.76)	(0.77)	(0.00)	(0.10)
[55]	FFTHX Fidelity Freedom 2035	0.69	10.25	9.79	(12.02)	(12.02)	4.66	9.63	0.48	0.98	(0.78)	(0.86)	(0.00)	0.02
[56]	FFFFX Fidelity Freedom 2040	0.73	10.21	9.81	(12.04)	(12.04)	4.65	9.70	0.48	0.98	(0.63)	(0.75)	(0.06)	(0.16)
[57]	FFFGX Fidelity Freedom 2045	0.75	10.19	9.89	(11.91)	(11.91)	4.67	9.86	0.48	0.99	(0.48)	(0.63)	(0.10)	(0.26)
[58]	FFHHX Fidelity Freedom 2050	0.75	10.24	10.02	(12.01)	(12.01)	4.66	9.96	0.48	0.99	(0.41)	(0.61)	(0.16)	(0.39)
[59]	FDEEX Fidelity Freedom 2055	0.75	10.18	10.08	(11.99)	(11.99)	4.64	10.15	0.48	1.00	(0.31)	(0.51)	(0.19)	(0.41)
[60]	FDKXX Fidelity Freedom 2060	0.75	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[61]	FFFAX Fidelity Freedom Income	0.47	3.51	3.29	(3.76)	(3.76)	2.85	3.89	0.78	1.14	(0.16)	(0.11)	(0.44)	(0.82)
[62]	Fidelity Freedom Average	0.63	8.03	7.77	(9.32)	(9.32)	4.15	8.03	0.56	1.04	(0.51)	(0.51)	(0.11)	(0.20)
[63]	JLAIX JHancock Multimanager 2010 Lifetime R6	1.01	5.58	5.64	(6.44)	(6.44)	3.56	6.85	0.63	1.19	(0.60)	0.14	0.02	0.82
[64]	JLBIX JHancock Multimanager 2015 Lifetime R6	0.97	6.39	6.47	(7.54)	(7.54)	3.72	7.55	0.58	1.14	(0.69)	(0.02)	(0.15)	0.62
[65]	JLDIX JHancock Multimanager 2020 Lifetime R6	0.92	7.30	7.43	(8.63)	(8.63)	3.95	8.40	0.55	1.11	(0.71)	(0.10)	(0.15)	0.53
[66]	JLEIX JHancock Multimanager 2025 Lifetime R6	0.91	8.37	8.45	(9.84)	(9.84)	4.13	9.21	0.51	1.07	(0.79)	(0.23)	(0.11)	0.55
[67]	JLFIIX JHancock Multimanager 2030 Lifetime R6	0.90	9.42	9.36	(11.11)	(11.11)	4.27	9.81	0.48	1.04	(0.96)	(0.46)	(0.11)	0.43
[68]	JLHIX JHancock Multimanager 2035 Lifetime R6	0.91	10.03	9.96	(11.94)	(11.94)	4.26	10.16	0.45	1.01	(1.07)	(0.63)	(0.20)	0.31
[69]	JLJIX JHancock Multimanager 2040 Lifetime R6	0.91	10.16	10.06	(12.08)	(12.08)	4.30	10.25	0.45	1.01	(0.95)	(0.56)	(0.26)	0.16
[70]	JLJIX JHancock Multimanager 2045 Lifetime R6	0.92	10.17	10.05	(12.09)	(12.09)	4.33	10.26	0.45	1.01	(0.81)	(0.48)	(0.33)	(0.04)
[71]	JLKRX JHancock Multimanager 2050 Lifetime R6	0.93	10.16	10.04	(12.05)	(12.05)	4.32	10.25	0.45	1.01	(0.71)	(0.42)	(0.44)	(0.26)
[72]	JLKTIX JHancock Multimanager 2055 Lifetime R6	0.95	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[73]	JESRX JHancock Multimanager 2060 Lifetime R6	0.99	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
[74]	JHancock Multimanager Lifetime R6 Average	0.94	8.62	8.61	(10.19)	(10.19)	4.09	9.19	0.51	1.07	(0.81)	(0.31)	(0.19)	0.35

		[a]	[bb]	[bc]	[bd]	[be]	[bf]	[bg]	[bh]	[bi]	[bj]	[bk]	[bl]	[bm]	[bn]
		Q4 2016													
		Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
Tickers	Fund Name		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
[75]	JSFYX JPMorgan SmartRetirement® 2015 R6	0.46	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[76]	JTTYX JPMorgan SmartRetirement® 2020 R6	0.36	6.48	6.80	(7.51)	(7.51)	3.99	7.95	0.62	1.14	(0.20)	0.13	(0.18)	0.29	
[77]	JNSYX JPMorgan SmartRetirement® 2025 R6	0.36	7.46	7.85	(8.78)	(8.78)	4.18	8.98	0.57	1.12	(0.25)	0.18	(0.11)	0.51	
[78]	JSMYX JPMorgan SmartRetirement® 2030 R6	0.36	8.55	8.88	(10.45)	(10.45)	4.15	9.70	0.50	1.08	(0.63)	(0.08)	(0.23)	0.45	
[79]	SRJYX JPMorgan SmartRetirement® 2035 R6	0.41	9.26	9.62	(11.46)	(11.46)	4.20	10.31	0.47	1.06	(0.76)	(0.15)	(0.29)	0.46	
[80]	SMTYX JPMorgan SmartRetirement® 2040 R6	0.43	9.88	10.05	(12.34)	(12.34)	4.31	10.55	0.46	1.04	(0.81)	(0.28)	(0.27)	0.35	
[81]	JSAYX JPMorgan SmartRetirement® 2045 R6	0.43	9.86	10.04	(12.33)	(12.33)	4.31	10.58	0.46	1.04	(0.68)	(0.17)	(0.34)	0.18	
[82]	JTSYX JPMorgan SmartRetirement® 2050 R6	0.43	9.85	10.04	(12.24)	(12.24)	4.31	10.57	0.46	1.04	(0.56)	(0.11)	(0.38)	(0.02)	
[83]	JFFYX JPMorgan SmartRetirement® 2055 R6	0.44	9.88	N.A.	(12.18)	N.A.	4.33	N.A.	0.46	N.A.	(0.48)	N.A.	(0.38)	N.A.	
[84]	JAKYX JPMorgan SmartRetirement® 2060 R6	0.47	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[85]	JSIYX JPMorgan SmartRetirement® Income R6	0.37	4.79	4.88	(5.71)	(5.71)	3.13	5.48	0.64	1.10	(0.90)	(0.41)	(0.05)	0.55	
[86]	JPMorgan SmartRetirement® R6 Average	0.41	8.44	8.52	(10.34)	(10.10)	4.10	9.27	0.52	1.08	(0.59)	(0.11)	(0.25)	0.35	
[87]	TCLEX Nuveen Lifecycle 2010 Retirement	0.76	5.59	5.81	(5.97)	(5.97)	3.44	6.79	0.61	1.14	(0.74)	(0.14)	(0.06)	0.76	
[88]	TCLIX Nuveen Lifecycle 2015 Retirement	0.77	6.15	6.43	(6.65)	(6.65)	3.55	7.41	0.58	1.13	(0.71)	(0.12)	(0.32)	0.54	
[89]	TCLTX Nuveen Lifecycle 2020 Retirement	0.79	6.93	7.22	(7.62)	(7.62)	3.68	8.17	0.54	1.11	(0.77)	(0.11)	(0.43)	0.44	
[90]	TCLFX Nuveen Lifecycle 2025 Retirement	0.80	7.81	8.08	(8.72)	(8.72)	3.77	8.93	0.49	1.09	(0.83)	(0.10)	(0.41)	0.43	
[91]	TCLNX Nuveen Lifecycle 2030 Retirement	0.81	8.75	9.00	(9.90)	(9.90)	3.84	9.66	0.46	1.06	(1.04)	(0.25)	(0.41)	0.40	
[92]	TCLRX Nuveen Lifecycle 2035 Retirement	0.83	9.53	9.80	(10.92)	(10.92)	3.85	10.27	0.43	1.04	(1.22)	(0.36)	(0.46)	0.39	
[93]	TCLOX Nuveen Lifecycle 2040 Retirement	0.86	10.34	10.43	(12.02)	(12.02)	3.90	10.62	0.41	1.01	(1.40)	(0.56)	(0.41)	0.33	
[94]	TTFRX Nuveen Lifecycle 2045 Retirement	0.87	10.40	10.45	(12.05)	(12.05)	3.92	10.64	0.41	1.01	(1.28)	(0.49)	(0.48)	0.19	
[95]	TLFRX Nuveen Lifecycle 2050 Retirement	0.89	10.45	10.49	(12.10)	(12.10)	3.99	10.68	0.41	1.01	(1.13)	(0.44)	(0.53)	0.05	
[96]	TTRLX Nuveen Lifecycle 2055 Retirement	0.89	10.47	10.47	(12.12)	(12.12)	4.05	10.72	0.42	1.02	(1.00)	(0.39)	(0.52)	(0.07)	
[97]	TLXRX Nuveen Lifecycle 2060 Retirement	0.93	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[98]	Nuveen Lifecycle Retirement Average	0.84	8.64	8.82	(9.81)	(9.81)	3.80	9.39	0.47	1.06	(1.01)	(0.30)	(0.40)	0.35	
[99]	PTTIX Principal LifeTime 2010 Institutional	0.52	5.03	5.29	(5.97)	(5.97)	3.03	6.33	0.59	1.17	(0.76)	0.00	(0.55)	0.60	
[100]	LTINX Principal LifeTime 2015 Institutional	0.53	5.75	6.13	(6.97)	(6.97)	3.10	7.06	0.54	1.13	(0.92)	(0.14)	(1.03)	0.30	
[101]	PLWIX Principal LifeTime 2020 Institutional	0.54	6.69	7.13	(7.98)	(7.98)	3.37	7.99	0.51	1.10	(0.96)	(0.21)	(0.93)	0.33	
[102]	LTSTX Principal LifeTime 2025 Institutional	0.56	7.35	7.72	(8.83)	(8.83)	3.51	8.47	0.49	1.08	(0.86)	(0.19)	(0.87)	0.10	
[103]	PMTIX Principal LifeTime 2030 Institutional	0.58	7.96	8.29	(9.49)	(9.49)	3.56	8.91	0.46	1.06	(0.93)	(0.26)	(0.92)	(0.14)	
[104]	LTIUX Principal LifeTime 2035 Institutional	0.60	8.44	8.81	(10.03)	(10.03)	3.52	9.32	0.43	1.05	(1.05)	(0.29)	(1.00)	(0.26)	
[105]	PTDIX Principal LifeTime 2040 Institutional	0.63	8.97	9.32	(10.58)	(10.58)	3.54	9.65	0.42	1.02	(1.14)	(0.42)	(1.01)	(0.31)	
[106]	LTRIX Principal LifeTime 2045 Institutional	0.65	9.33	9.64	(11.12)	(11.12)	3.65	9.91	0.42	1.02	(1.09)	(0.42)	(0.94)	(0.35)	
[107]	PPLIX Principal LifeTime 2050 Institutional	0.67	9.60	9.93	(11.34)	(11.34)	3.66	10.12	0.41	1.01	(1.10)	(0.44)	(0.94)	(0.40)	
[108]	LTFIX Principal LifeTime 2055 Institutional	0.67	9.81	10.07	(11.51)	(11.51)	3.70	10.14	0.40	1.00	(1.07)	(0.57)	(0.92)	(0.56)	
[109]	PLTZX Principal LifeTime 2060 Institutional	0.67	9.78	N.A.	(11.59)	N.A.	3.63	N.A.	0.40	N.A.	(1.09)	N.A.	(0.96)	N.A.	
[110]	PLSIX Principal LifeTime Strategic Inc Instl	0.52	3.58	3.72	(4.13)	(4.13)	2.80	4.62	0.75	1.20	(0.29)	0.07	(0.61)	(0.06)	
[111]	Principal LifeTime Institutional Average	0.60	7.69	7.82	(9.13)	(8.90)	3.42	8.41	0.48	1.08	(0.94)	(0.26)	(0.89)	(0.07)	
[112]	SWBRX Schwab Target 2010	0.40	4.53	4.66	(4.06)	(4.06)	3.25	5.76	0.70	1.20	(0.21)	0.14	(0.41)	0.02	
[113]	SWGRIX Schwab Target 2015	0.40	4.81	5.21	(4.27)	(4.27)	3.25	6.50	0.66	1.21	(0.16)	0.35	(0.64)	(0.31)	
[114]	SWCRX Schwab Target 2020	0.32	6.28	6.58	(6.30)	(6.30)	3.50	7.75	0.56	1.15	(0.57)	0.17	(0.72)	0.09	
[115]	SWHRX Schwab Target 2025	0.36	7.41	7.63	(7.76)	(7.76)	3.84	8.73	0.53	1.12	(0.56)	0.16	(0.42)	0.34	
[116]	SWDRX Schwab Target 2030	0.42	8.32	8.44	(8.91)	(8.91)	4.01	9.46	0.50	1.10	(0.67)	0.13	(0.37)	0.34	
[117]	SWIRX Schwab Target 2035	0.48	9.10	9.19	(9.93)	(9.93)	4.15	10.14	0.48	1.09	(0.74)	0.10	(0.36)	0.41	
[118]	SWERX Schwab Target 2040	0.51	9.82	9.81	(10.85)	(10.85)	4.29	10.68	0.46	1.07	(0.80)	0.08	(0.29)	0.45	
[119]	SWMRX Schwab Target 2045	0.57	10.16	N.A.	(11.31)	N.A.	4.35	N.A.	0.46	N.A.	(0.77)	N.A.	(0.29)	N.A.	
[120]	SWNRX Schwab Target 2050	0.60	10.39	N.A.	(11.61)	N.A.	4.44	N.A.	0.46	N.A.	(0.68)	N.A.	(0.29)	N.A.	
[121]	SWORX Schwab Target 2055	0.62	10.65	N.A.	(11.93)	N.A.	4.44	N.A.	0.45	N.A.	(0.70)	N.A.	(0.29)	N.A.	
[122]	SWPRX Schwab Target 2060	0.73	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[123]	Nuveen Lifecycle Average	0.49	8.15	7.36	(8.69)	(7.44)	3.95	8.43	0.52	1.14	(0.59)	0.16	(0.41)	0.19	
[124]	TRRFX T. Rowe Price Retirement 2005	0.49	5.18	5.42	(5.21)	(5.21)	3.52	6.27	0.67	1.13	(0.40)	(0.22)	(0.01)	0.52	
[125]	TRRAX T. Rowe Price Retirement 2010	0.49	5.68	6.03	(5.75)	(5.75)	3.72	7.03	0.65	1.14	(0.54)	(0.17)	0.15	0.83	
[126]	TRRGX T. Rowe Price Retirement 2015	0.50	6.56	6.95	(6.76)	(6.76)	3.98	8.06	0.61	1.14	(0.58)	(0.09)	0.05	0.85	
[127]	TRRBX T. Rowe Price Retirement 2020	0.53	7.43	7.79	(7.87)	(7.87)	4.19	8.96	0.57	1.13	(0.59)	0.02	0.00	0.84	
[128]	TRRHX T. Rowe Price Retirement 2025	0.54	8.23	8.59	(8.86)	(8.86)	4.35	9.75	0.54	1.12	(0.50)	0.12	0.02	0.85	
[129]	TRRCX T. Rowe Price Retirement 2030	0.57	8.89	9.21	(9.72)	(9.72)	4.52	10.43	0.53	1.11	(0.46)	0.25	0.01	0.82	
[130]	TRRJX T. Rowe Price Retirement 2035	0.59	9.48	9.77	(10.45)	(10.45)	4.56	10.87	0.50	1.10	(0.50)	0.23	(0.05)	0.72	
[131]	TRRDY T. Rowe Price Retirement 2040	0.60	9.96	10.14	(11.11)	(11.11)	4.61	11.12	0.49	1.08	(0.53)	0.20	(0.08)	0.62	
[132]	TRRKX T. Rowe Price Retirement 2045	0.62	9.97	10.16	(11.19)	(11.19)	4.62	11.14	0.49	1.08	(0.42)	0.26	(0.12)	0.49	
[133]	TRRMX T. Rowe Price Retirement 2050	0.63	9.98	10.13	(11.11)	(11.11)	4.65	11.14	0.49	1.09	(0.28)	0.36	(0.14)	0.33	
[134]	TRRNK T. Rowe Price Retirement 2055	0.64	10.00	10.17	(11.17)	(11.17)	4.64	11.14	0.49	1.08	(0.21)	0.32	(0.16)	0.19	
[135]	TRRLX T. Rowe Price Retirement 2060	0.64	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[136]	T. Rowe Price Retirement Average	0.57	8.31	8.58	(9.02)	(9.02)	4.31	9.63	0.55	1.11	(0.45)	0.12	(0.03)	0.64	
[137]	VTOVX Vanguard Target Retirement 2005 Inv	0.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[138]	VTENX Vanguard Target Retirement 2010 Inv	0.13	4.17	4.49	(3.90)	(3.90)	3.61	5.97	0.84	1.29	0.40	0.53	0.12	0.32	
[139]	VTXVX Vanguard Target Retirement 2015 Fund	0.08	5.49	5.75	(5.34)	(5.34)	4.04	7.22	0.72	1.22	0.14	0.39	0.22	0.82	
[140]	VTWNX Vanguard Target Retirement 2020 Fund	0.08	6.53	6.72	(6.62)	(6.62)	4.39	8.17	0.67	1.19	0.11	0.37	0.36	0.90	
[141]	VTTVX Vanguard Target Retirement 2025 Fund	0.08	7.33	7.51	(7.69)	(7.69)	4.53	8.86	0.62	1.16	0.11	0.35	0.32	0.76	
[142]	VTHRX Vanguard Target Retirement 2030 Fund	0.08	8.11	8.29	(8.79)	(8.79)	4.58	9.50	0.58	1.13	(0.04)	0.26	0.12	0.64	
[143]	VTHHX Vanguard Target Retirement 2035 Fund	0.08	8.96	9.11	(9.90)	(9.90)	4.66	10.15	0.54	1.10	(0.22)	0.14	(0.00)	0.66	
[144]	VFORX Vanguard Target Retirement 2040 Fund	0.08	9.72	9.73	(11.08)	(11.08)	4.66	10.51	0.50	1.07	(0.43)	(0.06)	(0.08)	0.50	
[145]	VTIVX Vanguard Target Retirement 2045 Fund	0.08	9.78	9.77	(11.16)	(11.16)	4.72	10.54	0.51	1.07	(0.29)	(0.00)	(0.12)	0.25	
[146]	VFIEX Vanguard Target Retirement 2050 Fund	0.08													



		[a]	[bo]	[bp]	[bq]	[br]	[bs]	[bt]	[bu]	[bz]	[ca]	[cb]	[cc]	[cd]	[ce]
		Q1 2017													
		Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
Tickers	Fund Name		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
[1]	Allspring Target 2010 R6	0.46	3.18	3.28	(3.01)	(3.15)	1.87	2.69	0.54	0.78	(0.55)	(0.45)	(0.83)	(0.98)	
[2]	Allspring Target 2015 R6	0.45	3.91	3.93	(3.61)	(3.61)	2.39	3.49	0.58	0.86	(0.36)	(0.25)	(0.68)	(0.88)	
[3]	Allspring Target 2020 R6	0.27	4.58	4.75	(4.57)	(4.57)	2.91	4.50	0.61	0.92	(0.39)	(0.20)	(0.68)	(0.86)	
[4]	Allspring Target 2025 R6	0.30	5.52	5.81	(6.10)	(6.10)	3.61	5.64	0.64	0.95	(0.36)	(0.18)	(0.64)	(0.82)	
[5]	Allspring Target 2030 R6	0.27	6.80	7.05	(7.71)	(7.71)	4.38	6.79	0.64	0.95	(0.44)	(0.25)	(0.60)	(0.74)	
[6]	Allspring Target 2035 R6	0.31	8.00	8.21	(9.66)	(9.66)	4.90	7.70	0.61	0.93	(0.64)	(0.42)	(0.55)	(0.59)	
[7]	Allspring Target 2040 R6	0.28	9.04	9.12	(11.16)	(11.16)	5.37	8.44	0.60	0.92	(0.76)	(0.50)	(0.37)	(0.32)	
[8]	Allspring Target 2045 R6	0.37	9.67	9.68	(12.20)	(12.20)	5.65	8.85	0.60	0.91	(0.80)	(0.58)	(0.27)	(0.23)	
[9]	Allspring Target 2050 R6	0.31	9.91	9.81	(12.58)	(12.58)	5.80	8.98	0.60	0.91	(0.73)	(0.53)	(0.28)	(0.33)	
[10]	Allspring Target 2055 R6	0.62	9.93	9.83	(12.55)	(12.55)	5.76	8.92	0.59	0.91	(0.73)	(0.64)	(0.36)	(0.54)	
[11]	Allspring Target 2060 R6	0.57	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[12]	Allspring Target Today R6	0.44	2.89	2.95	(2.86)	(3.16)	1.75	2.26	0.55	0.72	(0.73)	(0.75)	(0.97)	(1.09)	
[13]	Allspring Target R6 Average	0.39	6.68	6.77	(7.82)	(7.86)	4.04	6.20	0.60	0.89	(0.59)	(0.43)	(0.57)	(0.67)	
[14]	ARNIX American Century One Choice 2015 Instl	0.56	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[15]	ARBVX American Century One Choice 2020 I	0.63	5.56	5.59	(5.95)	(5.95)	4.36	6.33	0.76	1.10	(0.07)	0.39	(0.58)	(0.42)	
[16]	ARWFX American Century One Choice 2025 I	0.61	6.07	6.10	(6.62)	(6.62)	4.65	6.77	0.75	1.08	0.08	0.46	(0.45)	(0.46)	
[17]	ARCSX American Century One Choice 2030 I	0.63	6.60	6.67	(7.41)	(7.41)	4.98	7.30	0.74	1.07	0.17	0.52	(0.37)	(0.45)	
[18]	ARLIX American Century One Choice 2035 I	0.67	7.20	7.25	(8.22)	(8.22)	5.35	7.87	0.73	1.06	0.23	0.58	(0.29)	(0.39)	
[19]	ARDSX American Century One Choice 2040 I	0.69	7.77	7.85	(9.13)	(9.13)	5.64	8.40	0.72	1.05	0.25	0.58	(0.22)	(0.30)	
[20]	AOOIX American Century One Choice 2045 I	0.72	8.38	8.43	(9.79)	(9.79)	6.02	8.86	0.72	1.04	0.31	0.54	(0.05)	(0.20)	
[21]	ARFSX American Century One Choice 2050 I	0.74	8.67	8.70	(10.21)	(10.21)	6.16	9.04	0.71	1.02	0.32	0.49	(0.06)	(0.26)	
[22]	ARENX American Century One Choice 2055 I	0.75	8.97	8.93	(10.66)	(10.66)	6.32	9.26	0.71	1.02	0.35	0.47	(0.01)	(0.27)	
[23]	ARGNX American Century One Choice 2060 I	0.76	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[24]	ATTIX American Century One Choice In Ret I	0.61	5.14	5.06	(5.43)	(5.43)	4.07	5.83	0.77	1.12	(0.54)	0.14	0.29	0.78	
[25]	American Century One Choice I Average	0.67	7.15	7.18	(8.16)	(8.16)	5.28	7.74	0.74	1.06	0.12	0.46	(0.19)	(0.22)	
[26]	RFTTX American Funds 2010 Trgt Date Retire R6	0.29	5.18	5.15	(5.20)	(5.20)	4.83	6.76	0.90	1.27	0.31	0.99	0.72	1.41	
[27]	RFJTX American Funds 2015 Trgt Date Retire R6	0.30	5.30	5.64	(5.14)	(5.14)	5.03	7.40	0.92	1.27	0.64	1.23	0.50	1.26	
[28]	RRCCTX American Funds 2020 Trgt Date Retire R6	0.31	5.95	6.37	(5.63)	(5.63)	5.37	8.21	0.88	1.25	0.65	1.41	0.44	1.28	
[29]	RFDITX American Funds 2025 Trgt Date Retire R6	0.32	6.78	7.48	(6.47)	(6.47)	5.71	9.36	0.83	1.22	0.64	1.61	0.50	1.52	
[30]	RFETX American Funds 2030 Trgt Date Retire R6	0.33	8.07	8.43	(8.13)	(8.13)	6.38	10.13	0.78	1.17	0.56	1.54	0.72	1.58	
[31]	RFFTX American Funds 2035 Trgt Date Retire R6	0.35	8.70	8.84	(9.04)	(9.04)	6.73	10.43	0.77	1.15	0.63	1.52	0.71	1.42	
[32]	RFGTX American Funds 2040 Trgt Date Retire R6	0.37	8.95	9.03	(9.36)	(9.36)	6.84	10.59	0.76	1.15	0.67	1.58	0.67	1.26	
[33]	RFHTX American Funds 2045 Trgt Date Retire R6	0.37	9.09	9.10	(9.47)	(9.47)	6.99	10.67	0.77	1.15	0.81	1.64	0.62	1.02	
[34]	RFITX American Funds 2050 Trgt Date Retire R6	0.38	9.13	9.14	(9.53)	(9.53)	7.01	10.69	0.77	1.14	0.86	1.64	0.53	0.80	
[35]	RFKTX American Funds 2055 Trgt Date Retire R6	0.38	9.13	9.15	(9.47)	(9.47)	7.00	10.66	0.77	1.14	0.90	1.57	0.45	0.58	
[36]	RFUTX American Funds 2060 Trgt Date Retire R6	0.39	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[37]	American Funds Trgt Date Retire R6 Average	0.34	7.63	7.83	(7.74)	(7.74)	6.19	9.49	0.82	1.19	0.67	1.47	0.59	1.21	
[38]	LIMKX BlackRock LifePath® Index 2020 K	0.15	5.63	5.73	(5.54)	(5.54)	4.58	6.17	0.79	1.05	0.09	0.11	(0.33)	(0.58)	
[39]	LIBKX BlackRock LifePath® Index 2025 K	0.13	6.58	6.63	(6.71)	(6.71)	5.02	6.82	0.75	1.01	0.09	0.02	(0.14)	(0.52)	
[40]	LINKX BlackRock LifePath® Index 2030 K	0.13	7.57	7.54	(7.95)	(7.95)	5.41	7.40	0.71	0.97	(0.06)	(0.19)	(0.05)	(0.51)	
[41]	LJUKX BlackRock LifePath® Index 2035 K	0.14	8.44	8.32	(8.98)	(8.98)	5.76	7.91	0.68	0.94	(0.15)	(0.33)	0.02	(0.48)	
[42]	LIKXK BlackRock LifePath® Index 2040 K	0.14	9.32	9.08	(10.01)	(10.01)	6.04	8.42	0.66	0.92	(0.32)	(0.48)	0.08	(0.33)	
[43]	LIHKX BlackRock LifePath® Index 2045 K	0.14	9.73	9.59	(10.51)	(10.51)	6.25	8.81	0.65	0.92	(0.28)	(0.52)	0.10	(0.25)	
[44]	LIPKX BlackRock LifePath® Index 2050 K	0.14	9.85	9.90	(10.65)	(10.65)	6.37	9.11	0.66	0.92	(0.17)	(0.50)	0.08	(0.26)	
[45]	LIVKX BlackRock LifePath® Index 2055 K	0.14	9.92	10.19	(10.63)	(10.63)	6.45	9.43	0.66	0.92	(0.08)	(0.50)	0.08	(0.19)	
[46]	LIZKX BlackRock LifePath® Index 2060 K	0.14	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[47]	LIRKX BlackRock LifePath® Index Retire K	0.13	4.59	4.51	(4.41)	(4.41)	4.22	5.23	0.88	1.12	(0.14)	(0.07)	0.67	0.91	
[48]	BlackRock LifePath® Index K Average	0.14	7.96	7.94	(8.38)	(8.38)	5.57	7.70	0.72	0.98	(0.11)	(0.27)	0.06	(0.25)	
[49]	FFVFX Fidelity Freedom 2005	0.47	4.70	4.52	(5.41)	(5.41)	3.98	4.87	0.82	1.04	(0.14)	(0.16)	0.03	(0.38)	
[50]	FFFCX Fidelity Freedom 2010	0.48	5.58	5.54	(6.58)	(6.58)	4.49	5.83	0.78	1.03	(0.32)	(0.29)	0.34	0.44	
[51]	FFVFX Fidelity Freedom 2015	0.52	6.35	6.11	(7.54)	(7.54)	4.94	6.26	0.76	1.00	(0.26)	(0.27)	0.32	0.14	
[52]	FFDIX Fidelity Freedom 2020	0.56	6.95	6.73	(8.37)	(8.37)	5.24	6.72	0.74	0.98	(0.19)	(0.28)	0.26	(0.08)	
[53]	FFTWX Fidelity Freedom 2025	0.61	7.71	7.64	(9.28)	(9.28)	5.54	7.52	0.71	0.97	(0.14)	(0.24)	0.27	0.07	
[54]	FFEXX Fidelity Freedom 2030	0.65	9.08	8.70	(10.98)	(10.98)	6.13	8.12	0.68	0.93	(0.29)	(0.46)	0.33	0.07	
[55]	FFTHX Fidelity Freedom 2035	0.69	9.87	9.55	(12.02)	(12.02)	6.49	8.77	0.67	0.92	(0.30)	(0.56)	0.33	0.13	
[56]	FFFFX Fidelity Freedom 2040	0.73	9.85	9.57	(12.04)	(12.04)	6.48	8.84	0.67	0.92	(0.21)	(0.47)	0.28	(0.01)	
[57]	FFGIX Fidelity Freedom 2045	0.75	9.83	9.64	(11.91)	(11.91)	6.50	8.95	0.67	0.93	(0.10)	(0.39)	0.24	(0.12)	
[58]	FFHHX Fidelity Freedom 2050	0.75	9.87	9.75	(12.01)	(12.01)	6.48	8.97	0.67	0.92	(0.08)	(0.44)	0.15	(0.29)	
[59]	FDEEX Fidelity Freedom 2055	0.75	9.80	9.79	(11.99)	(11.99)	6.50	9.12	0.67	0.93	0.03	(0.40)	0.12	(0.36)	
[60]	FDKXX Fidelity Freedom 2060	0.75	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[61]	FFFAX Fidelity Freedom Income	0.47	3.48	3.22	(3.76)	(3.76)	3.30	3.73	0.90	1.11	0.00	0.01	(0.20)	(0.63)	
[62]	Fidelity Freedom Average	0.63	7.76	7.56	(9.32)	(9.32)	5.51	7.31	0.73	0.97	(0.16)	(0.33)	0.21	(0.09)	
[63]	JLAIX JHancock Multimanager 2010 Lifetime R6	1.01	5.43	5.41	(6.44)	(6.44)	4.09	6.12	0.73	1.10	(0.58)	0.11	0.09	0.71	
[64]	JLBIX JHancock Multimanager 2015 Lifetime R6	0.97	6.19	6.21	(7.54)	(7.54)	4.36	6.67	0.69	1.05	(0.70)	(0.04)	(0.09)	0.50	
[65]	JLDIX JHancock Multimanager 2020 Lifetime R6	0.92	7.07	7.13	(8.63)	(8.63)	4.80	7.36	0.67	1.01	(0.69)	(0.11)	(0.06)	0.41	
[66]	JLEIX JHancock Multimanager 2025 Lifetime R6	0.91	8.06	8.14	(9.84)	(9.84)	5.25	8.13	0.65	0.99	(0.66)	(0.18)	0.06	0.48	
[67]	JLFIJ JHancock Multimanager 2030 Lifetime R6	0.90	9.08	9.04	(11.11)	(11.11)	5.55	8.65	0.62	0.95	(0.85)	(0.38)	0.05	0.38	
[68]	JLHIJ JHancock Multimanager 2035 Lifetime R6	0.91	9.67	9.63	(11.94)	(11.94)	5.78	8.99	0.61	0.93	(0.88)	(0.51)	0.02	0.28	
[69]	JLIIX JHancock Multimanager 2040 Lifetime R6	0.91	9.81	9.74	(12.08)	(12.08)	5.92	9.15	0.62	0.94	(0.73)	(0.39)	(0.01)	0.19	
[70]	JLIJX JHancock Multimanager 2045 Lifetime R6	0.92	9.84	9.73	(12.09)	(12.09)	5.93	9.15	0.62	0.94	(0.65)	(0.34)	(0.10)	(0.00)	
[71]	JLKRX JHancock Multimanager 2050 Lifetime R6	0.93	9.82	9.73	(12.05)	(12.05)	5.93	9.17	0.62	0.94	(0.59)	(0.30)	(0.25)	(0.22)	
[72]	JLKITX JHancock Multimanager 2055 Lifetime R6	0.95	9.75	N.A.	(12.00)	N.A.	5.86	N.A.	0.61	N.A.	(0.57)	N.A.	(0.41)	N.A.	
[73]	JESRX JHancock Multimanager 2060 Lifetime R6	0.99	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[74]	JHancock Multimanager Lifetime R6 Average	0.94	8.47	8.31	(10.37)	(10.19)	5.35	8.15	0.64	0.98	(0.69)	(0.24)	(0.07)	0.30	

		[a]	[bo]	[bp]	[bq]	[br]	[bs]	[bt]	[bu]	[bz]	[ca]	[cb]	[cc]	[cd]	[ce]
		Q1 2017													
		Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
Tickers	Fund Name		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
[75]	JSFYX JPMorgan SmartRetirement® 2015 R6	0.46	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[76]	JTTYX JPMorgan SmartRetirement® 2020 R6	0.36	6.21	6.50	(7.51)	(7.51)	4.81	6.93	0.76	1.04	(0.08)	0.07	(0.07)	0.11	
[77]	JNSYX JPMorgan SmartRetirement® 2025 R6	0.36	7.13	7.50	(8.78)	(8.78)	5.25	7.79	0.73	1.02	(0.02)	0.10	0.08	0.33	
[78]	JSMYX JPMorgan SmartRetirement® 2030 R6	0.36	8.17	8.51	(10.45)	(10.45)	5.43	8.39	0.67	0.98	(0.37)	(0.15)	(0.01)	0.29	
[79]	SRJYX JPMorgan SmartRetirement® 2035 R6	0.41	8.85	9.22	(11.46)	(11.46)	5.64	8.90	0.64	0.96	(0.48)	(0.24)	(0.06)	0.28	
[80]	SMTYX JPMorgan SmartRetirement® 2040 R6	0.43	9.46	9.68	(12.34)	(12.34)	5.89	9.20	0.63	0.95	(0.52)	(0.30)	(0.03)	0.23	
[81]	JSAYX JPMorgan SmartRetirement® 2045 R6	0.43	9.44	9.66	(12.33)	(12.33)	5.92	9.24	0.64	0.95	(0.40)	(0.20)	(0.11)	0.06	
[82]	JTSYX JPMorgan SmartRetirement® 2050 R6	0.43	9.43	9.67	(12.24)	(12.24)	5.95	9.22	0.64	0.95	(0.30)	(0.19)	(0.19)	(0.17)	
[83]	JFFYX JPMorgan SmartRetirement® 2055 R6	0.44	9.40	9.64	(12.18)	(12.18)	5.92	9.32	0.64	0.96	(0.26)	(0.11)	(0.26)	(0.27)	
[84]	JAKYX JPMorgan SmartRetirement® 2060 R6	0.47	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[85]	JSIYX JPMorgan SmartRetirement® Income R6	0.37	4.66	4.68	(5.71)	(5.71)	3.66	4.90	0.76	1.02	(0.66)	(0.46)	0.14	0.42	
[86]	JPMorgan SmartRetirement® R6 Average	0.41	8.08	8.34	(10.34)	(10.34)	5.39	8.21	0.68	0.98	(0.34)	(0.16)	(0.06)	0.14	
[87]	TCLEX Nuveen Lifecycle 2010 Retirement	0.76	5.39	5.59	(5.97)	(5.97)	4.28	6.06	0.77	1.06	(0.40)	(0.16)	0.25	0.65	
[88]	TCLIX Nuveen Lifecycle 2015 Retirement	0.77	5.91	6.17	(6.65)	(6.65)	4.54	6.56	0.75	1.04	(0.34)	(0.11)	0.06	0.44	
[89]	TCLTX Nuveen Lifecycle 2020 Retirement	0.79	6.65	6.94	(7.62)	(7.62)	4.79	7.19	0.71	1.02	(0.42)	(0.11)	(0.09)	0.33	
[90]	TCLFX Nuveen Lifecycle 2025 Retirement	0.80	7.49	7.77	(8.72)	(8.72)	5.09	7.84	0.68	0.99	(0.44)	(0.10)	(0.05)	0.33	
[91]	TCLNX Nuveen Lifecycle 2030 Retirement	0.81	8.39	8.66	(9.90)	(9.90)	5.34	8.43	0.64	0.96	(0.63)	(0.24)	(0.08)	0.30	
[92]	TCLRX Nuveen Lifecycle 2035 Retirement	0.83	9.12	9.44	(10.92)	(10.92)	5.56	8.93	0.62	0.94	(0.74)	(0.38)	(0.11)	0.26	
[93]	TCLOX Nuveen Lifecycle 2040 Retirement	0.86	9.92	10.09	(12.02)	(12.02)	5.78	9.33	0.60	0.92	(0.91)	(0.52)	(0.08)	0.25	
[94]	TFRX Nuveen Lifecycle 2045 Retirement	0.87	9.99	10.11	(12.05)	(12.05)	5.91	9.40	0.61	0.93	(0.74)	(0.42)	(0.10)	0.15	
[95]	TLFRX Nuveen Lifecycle 2050 Retirement	0.89	10.04	10.16	(12.10)	(12.10)	5.97	9.43	0.61	0.93	(0.66)	(0.41)	(0.18)	(0.02)	
[96]	TTRLX Nuveen Lifecycle 2055 Retirement	0.89	10.08	10.14	(12.12)	(12.12)	6.02	9.48	0.61	0.93	(0.58)	(0.39)	(0.21)	(0.14)	
[97]	TLXRX Nuveen Lifecycle 2060 Retirement	0.93	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[98]	Nuveen Lifecycle Retirement Average	0.84	8.30	8.51	(9.81)	(9.81)	5.33	8.26	0.66	0.97	(0.59)	(0.28)	(0.06)	0.26	
[99]	PTTIX Principal LifeTime 2010 Institutional	0.52	4.84	5.04	(5.97)	(5.97)	3.54	5.58	0.71	1.08	(0.69)	(0.06)	(0.49)	0.42	
[100]	LTINX Principal LifeTime 2015 Institutional	0.53	5.55	5.86	(6.97)	(6.97)	3.86	6.16	0.68	1.03	(0.72)	(0.19)	(0.77)	0.10	
[101]	PLWIX Principal LifeTime 2020 Institutional	0.54	6.44	6.82	(7.98)	(7.98)	4.22	6.89	0.64	0.99	(0.84)	(0.30)	(0.78)	0.07	
[102]	LTSTX Principal LifeTime 2025 Institutional	0.56	7.08	7.39	(8.83)	(8.83)	4.57	7.33	0.64	0.98	(0.68)	(0.25)	(0.66)	(0.10)	
[103]	PMTIX Principal LifeTime 2030 Institutional	0.58	7.66	7.97	(9.49)	(9.49)	4.74	7.75	0.62	0.96	(0.75)	(0.27)	(0.76)	(0.25)	
[104]	LTUUX Principal LifeTime 2035 Institutional	0.60	8.12	8.48	(10.03)	(10.03)	4.79	8.09	0.59	0.95	(0.87)	(0.34)	(0.88)	(0.38)	
[105]	PTDIX Principal LifeTime 2040 Institutional	0.63	8.62	8.98	(10.58)	(10.58)	4.92	8.37	0.58	0.93	(0.97)	(0.47)	(0.90)	(0.45)	
[106]	LTRIX Principal LifeTime 2045 Institutional	0.65	8.98	9.30	(11.12)	(11.12)	5.05	8.61	0.57	0.92	(0.99)	(0.48)	(0.91)	(0.49)	
[107]	PPLIX Principal LifeTime 2050 Institutional	0.67	9.23	9.58	(11.34)	(11.34)	5.14	8.80	0.57	0.92	(0.99)	(0.53)	(0.93)	(0.57)	
[108]	LTFIX Principal LifeTime 2055 Institutional	0.67	9.45	9.72	(11.51)	(11.51)	5.23	8.80	0.57	0.90	(0.98)	(0.69)	(0.91)	(0.77)	
[109]	PLTZX Principal LifeTime 2060 Institutional	0.67	9.44	N.A.	(11.59)	N.A.	5.17	N.A.	0.56	N.A.	(1.00)	N.A.	(0.99)	N.A.	
[110]	PLSIX Principal LifeTime Strategic Inc Instl	0.52	3.50	3.58	(4.13)	(4.13)	3.05	4.27	0.82	1.15	(0.29)	0.10	(0.65)	(0.07)	
[111]	Principal LifeTime Institutional Average	0.60	7.41	7.52	(9.13)	(8.90)	4.52	7.33	0.63	0.98	(0.81)	(0.32)	(0.80)	(0.23)	
[112]	SWBRX Schwab Target 2010	0.40	4.42	4.52	(4.06)	(4.06)	3.80	5.23	0.83	1.12	(0.10)	0.14	(0.24)	0.01	
[113]	SWGRIX Schwab Target 2015	0.40	4.66	5.01	(4.27)	(4.27)	3.92	5.77	0.81	1.12	0.01	0.29	(0.56)	(0.34)	
[114]	SWCRX Schwab Target 2020	0.32	6.06	6.35	(6.30)	(6.30)	4.38	6.86	0.71	1.06	(0.39)	0.15	(0.54)	0.04	
[115]	SWHRX Schwab Target 2025	0.36	7.17	7.39	(7.76)	(7.76)	4.96	7.76	0.69	1.03	(0.34)	0.18	(0.17)	0.33	
[116]	SWDRX Schwab Target 2030	0.42	8.04	8.19	(8.91)	(8.91)	5.29	8.42	0.66	1.01	(0.44)	0.18	(0.12)	0.35	
[117]	SWIRX Schwab Target 2035	0.48	8.79	8.93	(9.93)	(9.93)	5.59	9.03	0.64	1.00	(0.51)	0.14	(0.11)	0.41	
[118]	SWERX Schwab Target 2040	0.51	9.48	9.54	(10.85)	(10.85)	5.85	9.50	0.63	0.99	(0.58)	0.11	(0.05)	0.43	
[119]	SWMRX Schwab Target 2045	0.57	9.81	N.A.	(11.31)	N.A.	6.02	N.A.	0.63	N.A.	(0.53)	N.A.	(0.04)	N.A.	
[120]	SWNRX Schwab Target 2050	0.60	10.03	N.A.	(11.61)	N.A.	6.15	N.A.	0.63	N.A.	(0.47)	N.A.	(0.06)	N.A.	
[121]	SWORX Schwab Target 2055	0.62	10.29	N.A.	(11.93)	N.A.	6.22	N.A.	0.62	N.A.	(0.50)	N.A.	(0.06)	N.A.	
[122]	SWPRX Schwab Target 2060	0.73	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[123]	Nuveen Lifecycle Average	0.49	7.87	7.13	(8.69)	(7.44)	5.22	7.51	0.68	1.05	(0.39)	0.17	(0.20)	0.17	
[124]	TRRFIX T. Rowe Price Retirement 2005	0.49	5.03	5.22	(5.21)	(5.21)	4.10	5.59	0.79	1.04	(0.30)	(0.24)	0.14	0.39	
[125]	TRRAX T. Rowe Price Retirement 2010	0.49	5.49	5.78	(5.75)	(5.75)	4.42	6.19	0.78	1.05	(0.36)	(0.25)	0.35	0.68	
[126]	TRRGX T. Rowe Price Retirement 2015	0.50	6.32	6.66	(6.76)	(6.76)	4.87	7.05	0.76	1.04	(0.33)	(0.15)	0.30	0.70	
[127]	TRRBX T. Rowe Price Retirement 2020	0.53	7.19	7.47	(7.87)	(7.87)	5.33	7.87	0.73	1.04	(0.29)	0.01	0.31	0.73	
[128]	TRRHX T. Rowe Price Retirement 2025	0.54	7.96	8.25	(8.86)	(8.86)	5.72	8.58	0.72	1.03	(0.14)	0.14	0.36	0.76	
[129]	TRRCX T. Rowe Price Retirement 2030	0.57	8.61	8.85	(9.72)	(9.72)	6.07	9.18	0.71	1.02	(0.07)	0.28	0.37	0.74	
[130]	TRRIX T. Rowe Price Retirement 2035	0.59	9.19	9.41	(10.45)	(10.45)	6.31	9.60	0.69	1.01	(0.06)	0.28	0.32	0.65	
[131]	TRRDX T. Rowe Price Retirement 2040	0.60	9.67	9.79	(11.11)	(11.11)	6.46	9.88	0.68	1.00	(0.10)	0.28	0.27	0.57	
[132]	TRRKX T. Rowe Price Retirement 2045	0.62	9.68	9.81	(11.19)	(11.19)	6.54	9.92	0.68	1.00	0.05	0.34	0.26	0.46	
[133]	TRRMX T. Rowe Price Retirement 2050	0.63	9.68	9.79	(11.11)	(11.11)	6.52	9.91	0.68	1.00	0.10	0.38	0.16	0.28	
[134]	TRRNX T. Rowe Price Retirement 2055	0.64	9.70	9.81	(11.17)	(11.17)	6.53	9.91	0.68	1.00	0.15	0.32	0.12	0.13	
[135]	TRRLX T. Rowe Price Retirement 2060	0.64	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[136]	T. Rowe Price Retirement Average	0.57	8.05	8.26	(9.02)	(9.02)	5.72	8.52	0.72	1.02	(0.12)	0.13	0.27	0.55	
[137]	VTOVX Vanguard Target Retirement 2005 Inv	0.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
[138]	VTENX Vanguard Target Retirement 2010 Inv	0.13	4.04	4.28	(3.90)	(3.90)	3.90	5.32	0.92	1.20	0.30	0.46	(0.08)	0.15	
[139]	VTXVX Vanguard Target Retirement 2015 Fund	0.08	5.29	5.54	(5.34)	(5.34)	4.58	6.45	0.84	1.13	0.14	0.37	0.21	0.74	
[140]	VTWNX Vanguard Target Retirement 2020 Fund	0.08	6.30	6.50	(6.62)	(6.62)	5.17	7.34	0.80	1.10	0.16	0.41	0.48	0.94	
[141]	VTTVX Vanguard Target Retirement 2025 Fund	0.08	7.06	7.27	(7.69)	(7.69)	5.48	7.94	0.77	1.07	0.19	0.41	0.49	0.81	
[142]	VTHRX Vanguard Target Retirement 2030 Fund	0.08	7.80	8.03	(8.79)	(8.79)	5.72	8.50	0.73	1.04	0.08	0.34	0.35	0.72	
[143]	VTHIX Vanguard Target Retirement 2035 Fund	0.08	8.61	8.83	(9.90)	(9.90)	5.95	9.05	0.69	1.01	(0.10)	0.20	0.22	0.67	
[144]	VFORX Vanguard Target Retirement 2040 Fund	0.08	9.34	9.46	(11.08)	(11.08)	6.14	9.43	0.67	0.99	(0.27)	0.06	0.17	0.56	
[145]	VTIVX Vanguard Target Retirement 2045 Fund	0.08	9.42	9.51	(11.16)	(11.16)	6.24	9.50	0.67	0.99	(0.14)	0.13	0.14	0.37	
[146]	VFIIX Vanguard Target Retirement 2050 Fund	0.08	9.42	9.50	(11.19)	(11.19)	6.24	9.50	0.67	0.99	(0.07)	0.16	(0.01)	0.05	
[147]	VFFVX Vanguard Target Retirement 2055 Fund	0.08	9.41	9.49	(11.26)	(11.26)	6.19	9.47	0.67	0.99	(0.07)	0.11	(0.15)		

**Notes:**

<sup>1</sup> The Expense Ratio figures for the potential alternative funds is the Prospectus Gross Expense Ratio as of July 2024 as provided by Morningstar Direct.

# EXHIBIT 6

**Exhibit 6 - American Beacon Small Cap Value Fund Morningstar Peers List**

Source: Morningstar Direct

<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[1]	{Junk}Federated Clover Small Value A	3/16/09
[2]	{Junk}Federated Clover Small Value A LW	3/16/09
[3]	{Junk}Federated Clover Small Value C	3/16/09
[4] TNVAX	1290 GAMCO Small/Mid Cap Value A	11/12/14
[5] TNVAX.lw	1290 GAMCO Small/Mid Cap Value A LW	11/12/14
[6] TNVIX	1290 GAMCO Small/Mid Cap Value I	11/12/14
[7] TNVRX	1290 GAMCO Small/Mid Cap Value R	11/12/14
[8] TNVCX	1290 GAMCO Small/Mid Cap Value T	11/12/14
[9] FNTVX	1492 Small Cap Value	12/29/11
[10]	1838 Small Cap Equity	6/17/96
[11] ABASX	AB Discovery Value A	3/29/01
[12] ABASX.lw	AB Discovery Value A Load Waived	3/29/01
[13] ABYSX	AB Discovery Value Advisor	3/29/01
[14]	AB Discovery Value B	3/29/01
[15] ABCSX	AB Discovery Value C	3/29/01
[16] ABSIX	AB Discovery Value I	3/1/05
[17]	AB Discovery Value K	3/1/05
[18]	AB Discovery Value R	11/3/03
[19] ABSZX	AB Discovery Value Z	10/15/13
[20] SCAVX	AB Small Cap Value A	12/3/14
[21] SCAVX.lw	AB Small Cap Value A Load Waived	12/3/14
[22] SCYVX	AB Small Cap Value Advisor	12/3/14
[23] SCCVX	AB Small Cap Value C	12/3/14
[24] GPVAX	Aberdeen Small Cap Value A	9/29/06
[25] GPVAX.lw	Aberdeen Small Cap Value A Load Waived	9/29/06
[26] GPNBX	Aberdeen Small Cap Value B	9/29/06
[27] GPVCX	Aberdeen Small Cap Value C	9/29/06
[28] GPVSX	Aberdeen Small Cap Value I/S	9/29/06
[29] GPVIX	Aberdeen Small Cap Value Inst	9/29/06
[30] GPVRX	Aberdeen Small Cap Value R	9/29/06
[31]	ABN AMRO Small Cap Value Comm	6/30/98
[32]	ABN AMRO Small Cap Value Inv	6/30/98
[33]	ABN AMRO/Chicago Capital Sm Cap Val N	11/10/98
[34]	Academy Value	12/9/94
[35] AXVIX	Acclivity Small Cap Value I	12/31/18
[36] AXVNX	Acclivity Small Cap Value N	12/31/18
[37] APMVX	ActivePassive Small/Mid Cap Value A	12/31/07
[38] APMVX.lw	ActivePassive Small/Mid Cap Value A LW	12/31/07
[39]	ActivePassive Small/Mid Cap Value I	12/31/07
[40] ADKSX	Adirondack Small Cap	4/6/05
[41]	Aegis Value A	2/26/14
[42] AVFAX.lw	Aegis Value A Load Waived	2/26/14
[43] AVALX	Aegis Value I	5/15/98
[44]	Alambic Small Cap Value Plus	9/1/15
[45]	Allegiance American Value	5/7/99
[46] ALUAX.lw	Allegiant Multi-Factor Sm Focused V A LW	10/3/05
[47] ALUAX	Allegiant Multi-Factor Sm Focused Val A	10/3/05
[48] ALUCX	Allegiant Multi-Factor Sm Focused Val C	10/3/05
[49] ALUIX	Allegiant Multi-Factor Sm Focused Val I	10/3/05
[50] ASMVX	Allegiant Multi-Factor Small Cap Value B	1/6/98

<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[51]	Allianz OCC Small-Cap Value A	10/31/07
[52]	Allianz OCC Small-Cap Value A LW	10/31/07
[53]	Allianz OCC Small-Cap Value C	10/31/07
[54] AOSDX	Allianz OCC Small-Cap Value D	10/31/07
[55]	Allianz OCC Small-Cap Value Instl	10/31/07
[56] AOSPX	Allianz OCC Small-Cap Value P	7/7/08
[57] PCVAX.lw	AllianzGI NFJ Small-Cap Value A LW	1/20/97
[58]	AllianzGI Small-Cap Value B	1/20/97
[59]	AllianzGI Small-Cap Value D	6/28/02
[60]	Allspring Small Company Val	6/2/97
[61] SCVAX	Allspring Small Company Value A	1/31/02
[62] SCVIX	Allspring Small Company Value Admin	1/31/02
[63] SCVFX	Allspring Small Company Value C	8/30/02
[64] SCVNX	Allspring Small Company Value Inst	7/30/10
[65] SCVJX	Allspring Small Company Value R6	10/31/16
[66] ESPAX	Allspring Special Small Cap Value A	5/7/93
[67] ESPIX	Allspring Special Small Cap Value Adm	7/23/96
[68] ESPCX	Allspring Special Small Cap Value C	12/12/00
[69] ESPNX	Allspring Special Small Cap Value Inst	7/30/10
[70]	Allspring Special Small Cap Value R	9/30/15
[71] ESPRX	Allspring Special Small Cap Value R6	10/31/14
[72]	Alphaone Vimco Small Cap Value Instl	12/29/17
[73]	Alphaone Vimco Small Cap Value Investor	1/22/18
[74] ALTSX	Altrius Small Cap Value I	7/25/11
[75]	American AAdvantage Small Cp Val Milg	3/1/99
[76] SHEAX	American Beacon Shapiro SMID Cap Eq A	10/29/21
[77] SHDCX	American Beacon Shapiro SMID Cap Eq C	10/29/21
[78] SHDPX	American Beacon Shapiro SMID Cap Eq Inv	9/12/17
[79] SHDIX	American Beacon Shapiro SMID Cap Eq R5	9/12/17
[80] SHDRX	American Beacon Shapiro SMID Cap Eq R6	10/29/21
[81] SHDYX	American Beacon Shapiro SMID Cap Eq Y	9/12/17
[82] ASOPX	American Beacon Sm Cp Val Opp Inv	3/31/06
[83] ASOIX	American Beacon Small Cap Val Opp Inst	3/31/06
[84] ABBVX	American Beacon Small Cap Value II Inv	11/15/11
[85] ABBYX	American Beacon Small Cap Value II Y	11/15/11
[86] AASRX	American Beacon Small Cap Value R6	2/28/17
[87] ABSAX	American Beacon Small Cp Val A	5/17/10
[88] ABSAX.lw	American Beacon Small Cp Val A LW	5/17/10
[89] AASSX	American Beacon Small Cp Val Adv	5/1/03
[90]	American Beacon Small Cp Val AMR	3/1/99
[91] ASVCX	American Beacon Small Cp Val C	9/1/10
[92] AVPAX	American Beacon Small Cp Val Inv	2/26/99
[93]	American Beacon Small Cp Val R	5/1/09
[94] AVFIX	American Beacon Small Cp Val R5	12/31/98
[95] ABSYX	American Beacon Small Cp Val Y	8/3/09
[96]	American Century Sm Cap Value C	6/1/01
[97] AMAHX	American Century Small Cap Dividend A	4/5/22
[98] AMALX	American Century Small Cap Dividend G	4/5/22
[99] AMAFX	American Century Small Cap Dividend I	4/5/22
[100] AMAEX	American Century Small Cap Dividend Inv	4/5/22
[101] AMAJX	American Century Small Cap Dividend R	4/5/22
[102] AMAKX	American Century Small Cap Dividend R6	4/5/22
[103] ACSCX	American Century Small Cap Value A	12/31/99
[104] ACSCX.lw	American Century Small Cap Value A LW	12/31/99
[105] ASVNX	American Century Small Cap Value C	3/1/10

	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[106]	ASVHX	American Century Small Cap Value G	4/1/19
[107]	ACVIX	American Century Small Cap Value I	10/26/98
[108]	ASVIX	American Century Small Cap Value Inv	7/31/98
[109]	ASVRX	American Century Small Cap Value R	3/1/10
[110]	ASVGX	American Century Small Cap Value R5	4/10/17
[111]	ASVDX	American Century Small Cap Value R6	7/26/13
[112]	ASVYX	American Century Small Cap Value Y	4/10/17
[113]		American General Small Cap Val InstII	11/2/98
[114]		American General Small Cap Val InstII	11/2/98
[115]		American General Small Cap Value A	11/2/98
[116]		American General Small Cap Value B	11/2/98
[117]	HLCAX.lw	American Indep Hillcrest Small Cap A LW	12/31/15
[118]		American Indep Hillcrest Small Cap Val A	12/31/15
[119]		American Indep Hillcrest Small Cap Val C	12/31/15
[120]		American Indep Hillcrest Small Cap Val I	12/31/15
[121]		Ameristock Focused Value	12/26/00
[122]		AMG Chicago Equity Partners Sm Cap Val I	12/31/14
[123]		AMG Chicago Equity Partners Sm Cap Val N	12/31/14
[124]		AMG Chicago Equity Partners Sm Cap Val Z	12/31/14
[125]	ARIMX	AMG River Road Small-Mid Cap Value I	6/28/07
[126]	ARSMX	AMG River Road Small-Mid Cap Value N	3/29/07
[127]	ARSZX	AMG River Road Small-Mid Cap Value Z	9/29/17
[128]	ARSIX	AMG River Road Small Cap Value I	12/13/06
[129]	ARSVX	AMG River Road Small Cap Value N	6/28/05
[130]	ARZMX	AMG River Road Small Cap Value Z	9/29/17
[131]		Ancora MicroCap C	9/2/08
[132]	ANCIX	Ancora MicroCap I	9/2/08
[133]		Ancora Special Opportunity C	1/5/04
[134]		Ancora Special Opportunity I	1/5/04
[135]		Ancora Special Opportunity S	6/24/16
[136]	AFDZX	Applied Finance Explorer Institutional	6/11/15
[137]	AFDVX	Applied Finance Explorer Investor	6/30/15
[138]		Ariel Discovery Institutional	12/30/11
[139]		Ariel Discovery Investor	1/31/11
[140]		Armada Small Cap Value H	2/5/02
[141]		Artisan Small Cap Value Institutional	2/1/12
[142]		Artisan Small Cap Value Investor	9/29/97
[143]	AISVX	AssetMark Enhanced Fdmtl Idx Sm Co Val	8/8/07
[144]		ASTON/River Road Independent Value I	6/1/11
[145]		ASTON/River Road Independent Value N	12/31/10
[146]	AUERX	Auer Growth	12/28/07
[147]	AVCNX	Avantis® U.S. Small Cap Value G	1/20/21
[148]	AVUVX	Avantis® U.S. Small Cap Value Instl	12/4/19
[149]	AVESX	Ave Maria Opportunity	5/1/06
[150]	ENSPX	AXA Enterprise Small Company Value A	10/1/93
[151]	ENSPX.lw	AXA Enterprise Small Company Value A LW	10/1/93
[152]	ESCBX	AXA Enterprise Small Company Value B	5/1/95
[153]		AXA Enterprise Small Company Value C	5/1/97
[154]		AXA Enterprise Small Company Value Y	5/24/95
[155]		Becker Small Cap Value Equity	1/3/05
[156]	BIRMX	Birmiwal Oasis	4/1/03
[157]		BMO Small-Cap Value A	5/27/14
[158]	BACVX.lw	BMO Small-Cap Value A Load Waived	5/27/14
[159]		BMO Small-Cap Value I	2/28/11
[160]		BMO Small-Cap Value R3	5/27/14



	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[161]		BMO Small-Cap Value R6	5/27/14
[162]	MRSYX	BMO Small-Cap Value Y	2/28/11
[163]	RUDAX	BNY Mellon Sm Cp Val A	8/1/16
[164]	BOSCX	BNY Mellon Sm Cp Val C	8/1/16
[165]	STSVX	BNY Mellon Sm Cp Val I	2/1/00
[166]	BOSYX	BNY Mellon Sm Cp Val Y	8/1/16
[167]	BPSIX	Boston Partners Small Cap Value II I	7/1/98
[168]	BPSCX	Boston Partners Small Cap Value II Inv	7/1/98
[169]	BSCAX	Brandes Small Cap Value A	1/2/18
[170]	BSCMX	Brandes Small Cap Value I	1/2/18
[171]	BSCRX	Brandes Small Cap Value R6	1/2/18
[172]	LEGDX	BrandywineGLOBAL - Small Cap Value A	8/31/22
[173]	LEGEX	BrandywineGLOBAL - Small Cap Value C	8/31/22
[174]	LEGFX	BrandywineGLOBAL - Small Cap Value I	8/31/22
[175]	LEGGX	BrandywineGLOBAL - Small Cap Value Is	8/31/22
[176]	LEGHX	BrandywineGLOBAL - Small Cap Value R	8/31/22
[177]	BOSVX	Bridgeway Omni Small-Cap Value N	8/31/11
[178]		Bridgeway Omni Tax-Managed Sm-Cp Val N	12/31/10
[179]	BRSVX	Bridgeway Small-Cap Value	10/31/03
[180]		Bridgeway Small-Cap Value R	11/3/03
[181]	BRUSX	Bridgeway Ultra-Small Company	8/5/94
[182]	BRSIX	Bridgeway Ultra-Small Company Market	7/31/97
[183]		Camelot Excalibur Small Cap Income A	12/31/13
[184]	CEXAX.lw	Camelot Excalibur Small Cap Income A LW	12/31/13
[185]		Camelot Excalibur Small Cap Income C	12/31/13
[186]		Camelot Excalibur Small Cap Income I	12/30/16
[187]	CWSCX	Carillon Chartwell Small Cap Value A	4/26/24
[188]	CWSHX	Carillon Chartwell Small Cap Value C	4/26/24
[189]	CWSIX	Carillon Chartwell Small Cap Value I	3/16/12
[190]	CWSWX	Carillon Chartwell Small Cap Value R-6	4/26/24
[191]		CCM Small/Mid-Cap Impct Val Fd Advisor	11/25/96
[192]		CCM Small/Mid-Cap Impct Val Fd Instl	9/12/00
[193]	OWLLX	Channing Intrinsic Value Sm-Cp Instl	6/30/21
[194]		Chartwell Small Cap Value A	11/9/11
[195]		Chartwell Small Cap Value A Load Waived	11/9/11
[196]	CASVX	Chartwell Small Cap Value Adv	3/1/02
[197]	CHSVX	Chartwell Small Cap Value Instl	10/1/99
[198]		CIGNA Sm Cap Val/Perkins,Wolf,MCD Inst	1/21/00
[199]		CIGNA Sm Cap Val/Perkins,Wolf,MCD Prem	1/21/00
[200]		CIGNA Sm Cap Val/Perkins,Wolf,MCD Ret	1/20/00
[201]		CitiFunds Small Cap Value A	3/2/98
[202]		CitiFunds Small Cap Value A Load Waived	3/2/98
[203]		CitiFunds Small Cap Value B	1/4/99
[204]		CitiSelect Folio 500 A	9/3/96
[205]		CitiSelect Folio 500 A Load Waived	9/3/96
[206]		CitiSelect Folio 500 B	1/4/99
[207]		Citizens Small Cap Value	3/31/04
[208]	CLRTX	Clarity Fund	6/30/10
[209]		ClearBridge Small Cap Value A	2/26/99
[210]	SBVAX.lw	ClearBridge Small Cap Value A LW	2/26/99
[211]	SBVBX	ClearBridge Small Cap Value B	2/26/99
[212]		ClearBridge Small Cap Value C	2/26/99
[213]	SMCYX	ClearBridge Small Cap Value I	4/14/03
[214]		ClearBridge Small Cap Value IS	5/22/13
[215]	FSVVX	Clifford Capital Fcs Sm Cp Val Instl	10/1/19

	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[216]	FSVRX	Clifford Capital Fcs Sm Cp Val Inv	1/31/20
[217]	FSVQX	Clifford Capital Fcs Sm Cp Val Spr Instl	1/31/20
[218]		CM Advisors Small Cap Value	4/15/11
[219]	CMCOX	CM Advisors Small Cap Value C	7/8/11
[220]	CMRVX	CM Advisors Small Cap Value R	7/8/11
[221]	CSCPX	CMG Small Cap Value	5/5/03
[222]		Columbia Multi-Advisor Sm Cp Val A	6/18/01
[223]		Columbia Multi-Advisor Sm Cp Val A LW	6/18/01
[224]		Columbia Multi-Advisor Sm Cp Val B	6/18/01
[225]		Columbia Multi-Advisor Sm Cp Val C	6/18/01
[226]		Columbia Multi-Advisor Sm Cp Val I	3/4/04
[227]		Columbia Multi-Advisor Sm Cp Val K	6/18/01
[228]		Columbia Multi-Advisor Sm Cp Val R	12/11/06
[229]		Columbia Multi-Advisor Sm Cp Val R4	12/11/06
[230]		Columbia Multi-Advisor Sm Cp Val R5	12/11/06
[231]		Columbia Multi-Advisor Sm Cp Val Y	10/1/15
[232]		Columbia Multi-Advisor Sm Cp Val Z	9/27/10
[233]	SSCVX	Columbia Select Small Cap Value A	4/25/97
[234]	CSPRX	Columbia Select Small Cap Value Adv	11/8/12
[235]		Columbia Select Small Cap Value C	5/27/99
[236]	CSSZX	Columbia Select Small Cap Value Inst	9/27/10
[237]	SSVIX	Columbia Select Small Cap Value Inst2	11/30/01
[238]	CSSYX	Columbia Select Small Cap Value Inst3	10/1/14
[239]		Columbia Select Small Cap Value R	4/30/03
[240]	SSCVX.lw	Columbia Select Smaller-Cap Value A LW	4/25/97
[241]		Columbia Select Smaller-Cap Value B	4/25/97
[242]		Columbia Select Smaller-Cap Value K	8/3/09
[243]		Columbia Select Smaller-Cap Value New I	8/3/09
[244]	CSMIX.lw	Columbia Small Cap Value Fund I A LW	7/25/86
[245]		Columbia Small Cap Value Fund I B	11/9/92
[246]		Columbia Small Cap Value Fund I I	9/27/10
[247]	COVAX.lw	Columbia Small Cap Value Fund II A LW	5/1/02
[248]		Columbia Small Cap Value Fund II B	5/1/02
[249]		Columbia Small Cap Value Fund II I	9/27/10
[250]		Columbia Small Cap Value I	10/30/02
[251]	CSMIX	Columbia Small Cap Value I A	7/25/86
[252]	CVVRX	Columbia Small Cap Value I Adv	11/8/12
[253]	CSSCX	Columbia Small Cap Value I C	1/15/96
[254]	CSCZX	Columbia Small Cap Value I Inst	7/31/95
[255]	CUURX	Columbia Small Cap Value I Inst2	11/8/12
[256]	CSVYX	Columbia Small Cap Value I Inst3	7/15/09
[257]	CSVRX	Columbia Small Cap Value I R	9/27/10
[258]	COVAX	Columbia Small Cap Value II A	5/1/02
[259]	CLURX	Columbia Small Cap Value II Adv	11/8/12
[260]		Columbia Small Cap Value II C	5/1/02
[261]	NSVAX	Columbia Small Cap Value II Inst	5/1/02
[262]	CRRRX	Columbia Small Cap Value II Inst2	11/8/12
[263]	CRRYX	Columbia Small Cap Value II Inst3	11/8/12
[264]	CCTRXX	Columbia Small Cap Value II R	1/23/06
[265]		Columbia Small/Mid Cap Value A	2/14/02
[266]	AMVAX.lw	Columbia Small/Mid Cap Value A LW	2/14/02
[267]		Columbia Small/Mid Cap Value Adv	12/11/06
[268]		Columbia Small/Mid Cap Value B	2/14/02
[269]		Columbia Small/Mid Cap Value C	2/14/02
[270]		Columbia Small/Mid Cap Value I	3/4/04

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[271]	Columbia Small/Mid Cap Value Inst	9/27/10
[272]	Columbia Small/Mid Cap Value Inst2	12/11/06
[273]	Columbia Small/Mid Cap Value Inst3	6/13/13
[274]	Columbia Small/Mid Cap Value K	2/14/02
[275]	Columbia Small/Mid Cap Value R	12/11/06
[276]	Columbia Small/Mid Cap Value T	12/1/06
[277]	Consulting Group Small Cap Value Equity	11/18/91
[278]	Corbin Small-Cap Value	6/30/97
[279] CSCVX	CornerCap Small-Cap Value Advisor	11/18/22
[280] CSCJX	CornerCap Small-Cap Value Institutional	12/29/15
[281]	CornerCap Small-Cap Value Investor	9/30/92
[282]	Cozad Small Cap Value A	7/1/14
[283] COZAX.lw	Cozad Small Cap Value A Load Waived	7/1/14
[284]	Cozad Small Cap Value N	7/1/14
[285]	Credit Suisse Instl Small Co Value	11/1/99
[286]	Cruelty Free Value	4/29/97
[287]	CS Warburg Pincus Small Co Val II Adv	12/29/95
[288]	CS Warburg Pincus Small Co Val II Com	12/29/95
[289] CUSCX	Cullen Small Cap Value C	10/1/09
[290] CUSIX	Cullen Small Cap Value I	10/1/09
[291] CUSRX	Cullen Small Cap Value Retail	10/1/09
[292] DASCX	Dean Small Cap Value	5/28/97
[293]	Dean Small Cap Value C	8/1/97
[294] DASCX.lw	Dean Small Cap Value Load Waived	5/28/97
[295]	Delaware Pooled Small-Cap Value Eq	3/29/99
[296] DEVLX	Delaware Small Cap Value A	6/24/87
[297] DEVLX.lw	Delaware Small Cap Value A Load Waived	6/24/87
[298] DEVBX	Delaware Small Cap Value B	9/6/94
[299] DEVCX	Delaware Small Cap Value C	11/29/95
[300] DEVIX	Delaware Small Cap Value Instl	11/9/92
[301] DVLRX	Delaware Small Cap Value R	6/2/03
[302] DVZRX	Delaware Small Cap Value R6	5/2/16
[303]	Delaware Special Situations A	9/18/90
[304]	Delaware Special Situations Instl	4/3/13
[305]	Delaware Special Situations R6	4/3/13
[306]	DFA Tax-Managed US Targeted Value	12/11/98
[307] DFSVX	DFA US Small Cap Value I	3/2/93
[308] DAABX	DFA US Sustainability Targeted Val Instl	7/2/20
[309] DFFVX	DFA US Targeted Value I	2/23/00
[310]	DFA US Targeted Value R1	1/31/08
[311]	DFA US Targeted Value R2	6/30/08
[312]	DGHM V2000 SmallCap Value C	11/20/15
[313]	DGHM V2000 SmallCap Value Instl	6/30/10
[314]	DGHM V2000 SmallCap Value Inv	6/30/10
[315] DHSCX.lw	Diamond Hill Small Cap A Load Waived	12/29/00
[316]	Diamond Hill Small Cap C	2/20/01
[317] DHSIX	Diamond Hill Small Cap I	4/29/05
[318] DHSCX	Diamond Hill Small Cap Inv	12/29/00
[319] DHSYX	Diamond Hill Small Cap Y	12/30/11
[320] DRQSX	Dreman Quantitative Small Cap Value	4/3/07
[321]	Dreyfus Premier Bear Stearns Sm Cp A LW	1/3/00
[322] RUDAX.lw	Dreyfus/The Boston Company Sm Cp Va A LW	8/1/16
[323] DASVX	Dunham Small Cap Value A	1/3/07
[324] DASVX.lw	Dunham Small Cap Value A Load Waived	1/3/07
[325] DCSVX	Dunham Small Cap Value C	12/10/04

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[326]	DNSVX	Dunham Small Cap Value N	12/10/04
[327]		DWS Small Cap Value A	12/3/01
[328]		DWS Small Cap Value A Load Waived	12/3/01
[329]		DWS Small Cap Value B	12/3/01
[330]		DWS Small Cap Value C	12/3/01
[331]		DWS Small Cap Value S	10/5/95
[332]	SNWAX	Easterly Snow Small Cap Value A	11/30/10
[333]	SNWCX	Easterly Snow Small Cap Value C	11/30/10
[334]		Easterly Snow Small Cap Value C {mg}	9/8/21
[335]	SNWIX	Easterly Snow Small Cap Value I	11/30/10
[336]	SNWRX	Easterly Snow Small Cap Value R6	11/4/21
[337]		Easterly Snow Small Cap ValueA {mg}	9/8/21
[338]		Easterly Snow Small Cap ValueI {mg}	9/8/21
[339]		Emerald Small Cap Value Instl {mg}	6/29/15
[340]		Emerald Small Cap Value Investor {mg}	6/29/15
[341]	MXTFX	Empower Small Cap Value Instl	5/1/15
[342]	MXLSX	Empower Small Cap Value Inv	11/1/94
[343]		Equity Strategies	7/2/86
[344]		ESC Strategic Value A	5/5/97
[345]		ESC Strategic Value D	5/5/97
[346]	EDASX.lw	Evergreen Disciplined Small-Mid Val A LW	12/14/05
[347]	EDASX	Evergreen Disciplined Small-Mid Value A	12/14/05
[348]	EDISX	Evergreen Disciplined Small-Mid Value I	12/14/05
[349]		Evergreen Select Small Co Val Instl	12/22/97
[350]		Evergreen Select Small Co Val InSvc	
[351]	ESKAX	Evergreen Small Cap Value A	7/31/98
[352]		Evergreen Small Cap Value A [Dup]	1/3/95
[353]		Evergreen Small Cap Value A [Dup] LW	1/3/95
[354]	ESKAX.lw	Evergreen Small Cap Value A Load Waived	7/31/98
[355]	ESKBX	Evergreen Small Cap Value B	4/25/03
[356]		Evergreen Small Cap Value B [Dup]	1/3/95
[357]	ESKCX	Evergreen Small Cap Value C	4/25/03
[358]		Evergreen Small Cap Value C [Dup]	1/24/95
[359]	ESKIX	Evergreen Small Cap Value I	12/30/97
[360]		Evergreen Small Cap Value I [Dup]	10/1/93
[361]		Evergreen Small Cap Value InSvc	6/30/00
[362]	ESPRX	Evergreen Special Values R	10/10/03
[363]	VSFAX.lw	Federated Clover Small Value A LW	2/28/96
[364]	FEKAX.lw	Federated Equity Advantage A LW	2/26/16
[365]	VSFAX	Federated Hermes Clover Small Value A	2/28/96
[366]	VSFCX	Federated Hermes Clover Small Value C	2/28/96
[367]	VSFIX	Federated Hermes Clover Small Value IS	3/16/09
[368]	VSFRX	Federated Hermes Clover Small Value R	12/1/10
[369]	VSFSX	Federated Hermes Clover Small Value R6	3/29/16
[370]		Federated Hermes Equity Advantage A	2/26/16
[371]		Federated Hermes Equity Advantage IS	2/26/16
[372]	QASVX	Federated MDT Small Cap Value A	9/15/05
[373]	QASVX.lw	Federated MDT Small Cap Value A LW	9/15/05
[374]	QCSVX	Federated MDT Small Cap Value C	9/15/05
[375]	QISVX	Federated MDT Small Cap Value Inst	9/15/05
[376]	FCVAX	Fidelity Advisor Small Cap Value A	11/3/04
[377]	FCVCX	Fidelity Advisor Small Cap Value C	11/3/04
[378]	FCVIX	Fidelity Advisor Small Cap Value I	11/3/04
[379]	FCVTX	Fidelity Advisor Small Cap Value M	11/3/04
[380]	FIKNX	Fidelity Advisor Small Cap Value Z	10/2/18

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[381]	FCVAX.lw	Fidelity Advisor® Small Cap Value A LW	11/3/04
[382]		Fidelity Advisor® Small Cap Value B	11/3/04
[383]	FCPVX	Fidelity Small Cap Value Fund	11/3/04
[384]	FISVX	Fidelity Small Cap Value Index	7/11/19
[385]	FSVFX	Fidelity® Small Cap Value F	6/26/09
[386]		Fifth Third Small Cap Value Adv	4/1/03
[387]	FTVBX	Fifth Third Small Cap Value B	4/1/03
[388]		First American Micro Cap Value A	8/8/97
[389]		First American Micro Cap Value A LW	8/8/97
[390]		First American Micro Cap Value B	8/8/97
[391]		First American Micro Cap Value Y	8/8/97
[392]	FCSBX	First American Small Cap Value B	11/24/97
[393]	FESAX	First Eagle Small Cap Opportunity A	7/1/21
[394]	FESCX	First Eagle Small Cap Opportunity I	4/27/21
[395]	FESRX	First Eagle Small Cap Opportunity R6	7/1/21
[396]	FISSX.lw	First Investors Special Situations A LW	9/18/90
[397]		First Investors Special Situations B	1/12/95
[398]		Footprints Discover Value	12/27/17
[399]		Foundry Micro Cap Value I	1/29/14
[400]		Foundry Partners Fdmtl Sm Cp Val A LW	11/20/09
[401]		Foundry Partners Sm Cp Val A	11/20/09
[402]	DRISX	Foundry Partners Sm Cp Val Instl	8/22/07
[403]	DRSVX	Foundry Partnersl Sm Cp Val Inv	12/31/03
[404]		Foundry Small Cap Value I	1/29/14
[405]	QRSAX	FPA Queens Road Small Cap Value Advisor	11/30/20
[406]	QRSIX	FPA Queens Road Small Cap Value Instl	11/30/20
[407]	QRSVX	FPA Queens Road Small Cap Value Inv	6/13/02
[408]	FRMCX.lw	Franklin MicroCap Value A Load Waived	12/12/95
[409]	FRMCX	Franklin Mutual Small-Mid Cap Val A	12/12/95
[410]	FVRMX	Franklin Mutual Small-Mid Cap Val Adv	11/1/05
[411]	FMCVX	Franklin Mutual Small-Mid Cap Val R6	5/1/13
[412]	FRVLX	Franklin Small Cap Value A	3/11/96
[413]	FRVLX.lw	Franklin Small Cap Value A Load Waived	3/11/96
[414]	FVADX	Franklin Small Cap Value Adv	12/31/96
[415]	FBVAX	Franklin Small Cap Value B	12/31/98
[416]	FRVFX	Franklin Small Cap Value C	9/3/96
[417]	FVFRX	Franklin Small Cap Value R	8/1/02
[418]	FRCSX	Franklin Small Cap Value R6	5/1/13
[419]		Frontegra Opportunity	8/1/97
[420]	GMNAX	Gabelli Global Mini Mites A	10/1/18
[421]	GAMNX	Gabelli Global Mini Mites AAA	10/1/18
[422]	GMNCX	Gabelli Global Mini Mites C	10/1/18
[423]	GGMXX	Gabelli Global Mini Mites I	10/1/18
[424]		GE Small-Cap Value Equity	9/30/98
[425]	GCAVX	GMO US Small Cap Value VI	7/2/19
[426]		Golden Oak Small Cap Value A	9/1/99
[427]		Golden Oak Small Cap Value A LW	9/1/99
[428]		Golden Oak Small Cap Value Instl	9/1/99
[429]	GSATX	Goldman Sachs Small Cp Val Insghs A	6/25/07
[430]	GSATX.lw	Goldman Sachs Small Cp Val Insghs A LW	6/25/07
[431]	GSBTX	Goldman Sachs Small Cp Val Insghs B	6/25/07
[432]	GSCTX	Goldman Sachs Small Cp Val Insghs C	6/25/07
[433]	GSITX	Goldman Sachs Small Cp Val Insghs Instl	6/25/07
[434]	GTTTX	Goldman Sachs Small Cp Val Insghs Inv	11/30/07
[435]	GSXPX	Goldman Sachs Small Cp Val Insghs P	4/16/18

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[436]	GTTRX	Goldman Sachs Small Cp Val Insghts R	11/30/07
[437]	GTTUX	Goldman Sachs Small Cp Val Insghts R6	7/31/15
[438]	GSSTX	Goldman Sachs Structured Sm Cp Val Svc	6/25/07
[439]		Great-West Invesco Small Cap Value Instl	5/1/15
[440]		Great-West Invesco Small Cap Value Inv	5/15/08
[441]		Guardian UBS Small Cap Value A	2/3/03
[442]		Guardian UBS Small Cap Value A LW	2/3/03
[443]		Guardian UBS Small Cap Value B	2/3/03
[444]		Guardian UBS Small Cap Value C	2/3/03
[445]		Guardian UBS Small Cap Value K	2/3/03
[446]	SSUAX	Guggenheim Small Cap Value A	7/11/08
[447]	SSUAX.lw	Guggenheim Small Cap Value A LW	7/11/08
[448]	SSVCX	Guggenheim Small Cap Value C	7/11/08
[449]	SSUIX	Guggenheim Small Cap Value Inst	7/11/08
[450]	SSUPX	Guggenheim Small Cap Value P	5/1/15
[451]		Harbor Small Cap Value Opps Admin	8/1/17
[452]		Harbor Small Cap Value Opps Instl	8/1/17
[453]		Harbor Small Cap Value Opps Inv	8/1/17
[454]		Harbor Small Cap Value Opps Retire	8/1/17
[455]		Harbor Small Company Value Adm	5/1/07
[456]	HASMX	Harbor Small Company Value Instl	5/1/07
[457]	HISMX	Harbor Small Company Value Inv	5/1/07
[458]		Harris Insight Small Cap Value B	5/30/01
[459]	HTVAX	Hartford Select SmallCap Value A	7/31/06
[460]	HTVAX.lw	Hartford Select SmallCap Value A LW	7/31/06
[461]	HTVBX	Hartford Select SmallCap Value B	7/31/06
[462]	HTVCX	Hartford Select SmallCap Value C	7/31/06
[463]	HTVYX	Hartford Select SmallCap Value Y	7/31/06
[464]	HSMAX.lw	Hartford Small Cap Core A Load Waived	12/31/04
[465]		Hartford Small Cap Core B	12/31/04
[466]	HSMAX	Hartford Small Cap Value A	12/31/04
[467]	HTSCX	Hartford Small Cap Value C	12/31/04
[468]	HSMFX	Hartford Small Cap Value F	2/28/17
[469]	HSEIX	Hartford Small Cap Value I	3/31/15
[470]	HSMRX	Hartford Small Cap Value R3	9/30/11
[471]	HSMSX	Hartford Small Cap Value R4	9/30/11
[472]	HSMTX	Hartford Small Cap Value R5	9/30/11
[473]	HSMVX	Hartford Small Cap Value R6	2/28/18
[474]	HSMYX	Hartford Small Cap Value Y	12/31/04
[475]		Heartland Small Cap Contrarian	4/27/95
[476]	HNTVX	Heartland Value Institutional	5/1/08
[477]	HRTVX	Heartland Value Investor	12/28/84
[478]	HNVIX	Heartland Value Plus Institutional	5/1/08
[479]	HRVIX	Heartland Value Plus Investor	10/26/93
[480]	HIMDX	Hennessy Cornerstone Mid Cap 30 Instl	3/3/08
[481]	HFMDX	Hennessy Cornerstone Mid Cap 30 Inv	9/17/03
[482]	HMSCX	HighMark Small Cap Value Fid	9/17/98
[483]	HASVX	HighMark Small Cap Value Retail A	9/17/98
[484]	HASVX.lw	HighMark Small Cap Value Retail A LW	9/17/98
[485]	HBSVX	HighMark Small Cap Value Retail B	9/17/98
[486]	HSVCX	HighMark Small Cap Value Retail C	11/30/99
[487]		Hodges Pure Contrarian Retail	9/10/09
[488]	HDSVX	Hodges Small Intrinsic Value Retail	12/26/13
[489]	HWVAX	Hotchkis & Wiley Sm Cp Divers Val A	6/30/14
[490]	HWVAX.lw	Hotchkis & Wiley Sm Cp Divers Val A LW	6/30/14



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[491]	HWVIX	Hotchkis & Wiley Sm Cp Divers Val I	6/30/14
[492]	HWVZX	Hotchkis & Wiley Sm Cp Divers Val Z	9/30/19
[493]	HWSAX	Hotchkis & Wiley Small Cap Value A	10/6/00
[494]	HWSAX.lw	Hotchkis & Wiley Small Cap Value A LW	10/6/00
[495]	HWSCX	Hotchkis & Wiley Small Cap Value C	2/4/02
[496]	HWSIX	Hotchkis & Wiley Small Cap Value I	9/20/85
[497]	HWSZX	Hotchkis & Wiley Small Cap Value Z	9/30/19
[498]		Hotchkis and Wiley Small Cap Value B	2/4/02
[499]	HUMEX	Huber Mid Cap Value Instl	12/31/15
[500]	HUMDX	Huber Mid Cap Value Inv	12/31/15
[501]	HUSEX	Huber Small Cap Value Instl	10/25/11
[502]	HUSIX	Huber Small Cap Value Inv	6/29/07
[503]	HSCVX	Hunter Small Cap Value I	12/28/22
[504]	PFSVX	iMGP Small Company Fund Instl Cl	7/31/20
[505]		ING Disciplined Small Cap Value I	4/28/06
[506]		ING Smallcap Value A	2/1/02
[507]		ING Smallcap Value A Load Waived	2/1/02
[508]		ING Smallcap Value B	2/4/02
[509]		ING Smallcap Value C	2/7/02
[510]		ING Smallcap Value I	3/6/02
[511]	IVSQX	ING Smallcap Value Q	4/30/02
[512]		Insightful Investor Growth	7/28/95
[513]		Intrepid Select Investor	7/31/15
[514]		Invesco Oppenheimer Small Cap Value A	12/7/15
[515]		Invesco Oppenheimer Small Cap Value C	12/7/15
[516]		Invesco Oppenheimer Small Cap Value R	12/7/15
[517]		Invesco Oppenheimer Small Cap Value Y	12/7/15
[518]		Invesco Oppenheimer Small Cap ValueR6	12/7/15
[519]		Invesco Oppenheimer Sml Cap Val A {mg}	1/16/19
[520]		Invesco Oppenheimer Sml Cap Val C {mg}	1/16/19
[521]		Invesco Oppenheimer Sml Cap Val R {mg}	1/16/19
[522]		Invesco Oppenheimer Sml Cap Val R5	5/24/19
[523]		Invesco Oppenheimer Sml Cap Val R6 {mg}	1/16/19
[524]		Invesco Oppenheimer Sml Cap Val Y {mg}	1/16/19
[525]	JBJAX	Invesco Sm-Md Spec Val A	5/28/02
[526]	JBJAX.lw	Invesco Sm-Md Spec Val A Load Waived	5/28/02
[527]	JBJBX	Invesco Sm-Md Spec Val B	5/28/02
[528]	JBICX	Invesco Sm-Md Spec Val C	5/28/02
[529]	JBIDX	Invesco Sm-Md Spec Val Y	5/28/02
[530]	VSCAX	Invesco Small Cap Value A	6/21/99
[531]		Invesco Small Cap Value B	6/21/99
[532]	VSMCX	Invesco Small Cap Value C	6/21/99
[533]	VSRAAX	Invesco Small Cap Value R	4/17/20
[534]	SMVSX	Invesco Small Cap Value R6	2/7/17
[535]	VSMIX	Invesco Small Cap Value Y	8/12/05
[536]		INVESCO Small Company Value	12/1/93
[537]	VSCAX.lw	Invesco SmallCapValue A Load Waived	6/21/99
[538]		Invesco Special Value A	7/28/97
[539]		Invesco Special Value A Load Waived	7/28/97
[540]	SVFBX	Invesco Special Value B	10/29/96
[541]		Invesco Special Value Y	7/28/97
[542]		Invesco US Small Cap Value A	1/22/99
[543]	MCVGX	Invesco US Small Cap Value B	6/1/10
[544]	MCVQX	Invesco US Small Cap Value C	6/1/10
[545]	MPSCX	Invesco US Small Cap Value Y	7/1/86

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[546]	IZZIX	Ironwood Isabelle Small Co Stock Inst	3/30/98
[547]	IZZYX	Ironwood Isabelle Small Co Stock Inv	3/12/98
[548]	JMCRX	James Micro Cap	7/1/10
[549]	JASCX	James Small Cap	10/2/98
[550]		Janus Adviser Perkins Small Co Val A	9/30/04
[551]		Janus Adviser Perkins Small Co Val A LW	9/30/04
[552]		Janus Adviser Perkins Small Co Val C	4/22/03
[553]		Janus Adviser Perkins Small Co Val I	11/28/05
[554]		Janus Adviser Perkins Small Co Val R	9/30/04
[555]		Janus Adviser Perkins Small Co Val S	3/28/02
[556]		Janus Adviser Small Cap Value Instl	3/28/02
[557]		Janus Adviser Small Cap Value Svc	3/28/02
[558]		Janus Aspen Perkins Small Co. Value Svc	12/31/02
[559]	JDSAX	Janus Henderson Small Cap Value A	7/6/09
[560]	JDSAX.lw	Janus Henderson Small Cap Value A LW	7/6/09
[561]	JCSCX	Janus Henderson Small Cap Value C	7/6/09
[562]	JNPSX	Janus Henderson Small Cap Value D	10/21/87
[563]	JSCOX	Janus Henderson Small Cap Value I	7/6/09
[564]	JSIVX	Janus Henderson Small Cap Value L	2/14/85
[565]	JDSNX	Janus Henderson Small Cap Value N	5/31/12
[566]	JDSRX	Janus Henderson Small Cap Value R	7/6/09
[567]	JISCX	Janus Henderson Small Cap Value S	7/6/09
[568]	JSCVX	Janus Henderson Small Cap Value T	10/21/87
[569]	JSCAX	JHancock Small Cap Value A	12/30/13
[570]	JSCAX.lw	JHancock Small Cap Value A Load Waived	12/30/13
[571]	JSCBX	JHancock Small Cap Value I	12/30/13
[572]	JSCNX	JHancock Small Cap Value NAV	12/16/08
[573]	JSCCX	JHancock Small Cap Value R6	12/30/13
[574]		JHFunds2 Special Value 1	10/17/05
[575]	JHPEX	JHFunds2 Special Value NAV	10/14/05
[576]		JHT Special Value Trust Ser I	5/5/03
[577]		JHT Special Value Trust Ser II	5/5/03
[578]		JHT Special Value Trust Ser NAV	2/28/05
[579]		JHTrust Special Value Trust Series III	9/5/03
[580]		JNL/PPM America Small Cap Value A	3/31/08
[581]		JNL/PPM America Small Cap Value I	3/31/08
[582]		JNL/RAFI® Fundamental US Small Cap A	4/30/07
[583]		JNL/RAFI® Fundamental US Small Cap I	4/30/07
[584]	JMSVX	JPMorgan Multi-Manager Small Cap Value	2/28/03
[585]	PSOAX	JPMorgan Small Cap Value A	1/27/95
[586]	PSOAX.lw	JPMorgan Small Cap Value A Load Waived	1/27/95
[587]	PSOBX	JPMorgan Small Cap Value B	1/27/95
[588]	OSVCX	JPMorgan Small Cap Value C	3/22/99
[589]	PSOPX	JPMorgan Small Cap Value I	1/27/95
[590]	JSVZX	JPMorgan Small Cap Value R2	11/3/08
[591]	JSVPX	JPMorgan Small Cap Value R3	9/9/16
[592]	JSVQX	JPMorgan Small Cap Value R4	9/9/16
[593]	JSVRX	JPMorgan Small Cap Value R5	5/15/06
[594]	JSVUX	JPMorgan Small Cap Value R6	2/22/05
[595]	KSMVX	Keeley Small-Mid Cap Value A	8/15/07
[596]	KSMVX.lw	Keeley Small-Mid Cap Value A LW	8/15/07
[597]	KSMIX	Keeley Small-Mid Cap Value I	8/15/07
[598]	KSDVX	Keeley Small Cap Dividend Value A	12/1/09
[599]	KSDVX.lw	Keeley Small Cap Dividend Value A LW	12/1/09
[600]	KSDIX	Keeley Small Cap Dividend Value I	12/1/09

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[601]	Kemper Small Cap Relative Value A	5/6/98
[602]	Kemper Small Cap Relative Value B	5/6/98
[603]	Kemper Small Cap Relative Value C	5/6/98
[604] KVALX	Kennedy Capital Small Cap Value Instl	4/27/22
[605]	Lazard Bantam Value Instl	3/4/96
[606]	Lazard Bantam Value Open	1/2/97
[607]	Lazard Special Equity	1/16/86
[608] LISVX	Lazard U.S. Small Cap Eq Val Inst	3/31/08
[609] LOSVX	Lazard U.S. Small Cap Eq Val Open	3/31/08
[610]	Legg Mason U.S. Sm Capitalization Val FI	7/2/10
[611]	Legg Mason U.S. Sm Capitalization Val R	7/2/10
[612]	Legg Mason US Sm Capitalization Va Instl	6/19/98
[613] LMZAX	Legg Mason US Sm Capitalization Val A	2/3/09
[614] LMZAX.lw	Legg Mason US Sm Capitalization Val A LW	2/3/09
[615] LMSVX	Legg Mason US Sm Capitalization Val C	6/15/98
[616]	Liberty Contrarian Small Cap A	4/9/87
[617]	Liberty Contrarian Small Cap A LW	4/9/87
[618]	Liberty Contrarian Small Cap B	2/12/01
[619]	Liberty Contrarian Small Cap C	2/12/01
[620]	Liberty Contrarian Small Cap I	2/2/01
[621]	Liberty Contrarian Small Cap Z	1/11/01
[622] LFBVX	Lord Abbett Focused Small Cap Value A	5/1/00
[623] LFBVX	Lord Abbett Focused Small Cap Value C	6/28/19
[624] LFSFX	Lord Abbett Focused Small Cap Value F	6/28/19
[625] LMVOX	Lord Abbett Focused Small Cap Value F3	6/28/19
[626] LMVYX	Lord Abbett Focused Small Cap Value I	7/9/99
[627]	Lord Abbett Focused Small Cap Value R3	6/28/19
[628]	Lord Abbett Focused Small Cap Value R4	6/28/19
[629] LMVVX	Lord Abbett Focused Small Cap Value R5	6/28/19
[630] LMVWX	Lord Abbett Focused Small Cap Value R6	6/28/19
[631]	Lord Abbett Micro Cap Value A LW	8/29/06
[632] LRSCX	Lord Abbett Small Cap Value A	12/13/95
[633] LRSCX.lw	Lord Abbett Small Cap Value A LW	12/13/95
[634]	Lord Abbett Small Cap Value B	11/15/96
[635] LRSCX	Lord Abbett Small Cap Value C	4/1/97
[636] LRSFX	Lord Abbett Small Cap Value F	9/28/07
[637] LRSOX	Lord Abbett Small Cap Value F3	4/4/17
[638] LRSYX	Lord Abbett Small Cap Value I	12/30/97
[639] LRSPX	Lord Abbett Small Cap Value P	6/23/99
[640] LRSQX	Lord Abbett Small Cap Value R2	3/31/08
[641] LRSRX	Lord Abbett Small Cap Value R3	3/31/08
[642] LRSSX	Lord Abbett Small Cap Value R4	6/30/15
[643] LRSTX	Lord Abbett Small Cap Value R5	6/30/15
[644] LRSVX	Lord Abbett Small Cap Value R6	6/30/15
[645] LSVQX	LSV Small Cap Value Institutional	2/28/13
[646] LVAQX	LSV Small Cap Value Investor	6/10/14
[647] MASVX.lw	Madison Small Cap A Load Waived	12/27/06
[648]	Madison Small Cap A Old	12/27/06
[649]	Madison Small Cap B	12/27/06
[650]	Madison Small Cap Y{mg}	1/9/07
[651] MSPAX	MainStay Small Cap Value A	6/1/98
[652] MSPAX.lw	MainStay Small Cap Value A Load Waived	6/1/98
[653] MSPBX	MainStay Small Cap Value B	6/1/98
[654] MSMCX	MainStay Small Cap Value C	9/1/98
[655]	MainStay Small Cap Value I	2/16/05

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[656]	MYSCX	MainStay Small Cap Value Inv	2/29/08
[657]		Managers AMG Frontier Small Co Val	3/1/01
[658]		MassMutual Instl Small Cap Val Eqty 1	9/30/94
[659]		MassMutual Instl Small Cap Val Eqty 2	9/30/94
[660]		MassMutual Instl Small Cap Val Eqty 3	9/30/94
[661]	MMYAX.lw	MassMutual Select Small Company Val A LW	12/31/01
[662]	MMYLX	MassMutual Small Company Val Adm	12/31/01
[663]	MSVZX	MassMutual Small Company Val I	11/15/10
[664]	MSVNX	MassMutual Small Company Val R3	12/30/02
[665]	MSVSX	MassMutual Small Company Val R5	12/31/01
[666]	MMVYX	MassMutual Small Company Val Svc	12/31/01
[667]	MMNLX	MassMutual Small Company Val Y	2/1/23
[668]	MMYAX	MassMutual Small Company Value A	12/31/01
[669]	MMVFX	MassMutual Small Company Value R4	4/1/14
[670]		Maxus Ohio Heartland Instl	2/1/98
[671]		Maxus Ohio Heartland Inv	2/2/98
[672]	NDVAX	MFS New Discovery Value A	5/26/11
[673]	NDVAX.lw	MFS New Discovery Value A Load Waived	5/26/11
[674]	NDVBX	MFS New Discovery Value B	5/26/11
[675]	NDVCX	MFS New Discovery Value C	5/26/11
[676]	NDVIX	MFS New Discovery Value I	5/26/11
[677]	NDVRX	MFS New Discovery Value R1	5/26/11
[678]	NDVSX	MFS New Discovery Value R2	5/26/11
[679]	NDVTX	MFS New Discovery Value R3	5/26/11
[680]	NDVUX	MFS New Discovery Value R4	5/26/11
[681]	NDVVX	MFS New Discovery Value R6	7/2/12
[682]		Mississippi Opportunity A	4/4/95
[683]		Mississippi Opportunity C	4/4/95
[684]	MAVKX	MoA Small Cap Value Fund	7/1/05
[685]		Montgomery Instl Macro Cap System Val	8/31/98
[686]		Montgomery Instl Sm Cap System Value	8/31/98
[687]		Montgomery Macro Cap Systematic Val B	8/31/98
[688]		Montgomery Macro Cap Systematic Val C	8/31/98
[689]		Montgomery Small Cap Systematic Val B	8/31/98
[690]		Montgomery Small Cap Systematic Val C	8/31/98
[691]		Morgan Stanley Inst Strat Sm Cap Val	6/30/00
[692]		Morgan Stanley Inst Sys Act SmCp Cr I	4/28/06
[693]		Morgan Stanley Inst Sys Act SmCp Cr P	4/28/06
[694]		Morgan Stanley Inst Sys Act SmCp VI I	4/28/06
[695]		Morgan Stanley Inst Sys Act SmCp VI P	4/28/06
[696]		Morgan Stanley Instl Small Cap Val A	12/17/92
[697]		Morgan Stanley Instl Small Cap Val B	1/2/96
[698]	MMEBX	Munder Micro-Cap Equity B	2/14/97
[699]	MMEKX	Munder Micro-Cap Equity K	12/31/96
[700]	MBVSX	Munder Veracity Small-Cap Value B	5/13/11
[701]	MKVSX	Munder Veracity Small-Cap Value K	5/13/11
[702]		Mutual of America Instl Small Cap Value	5/1/07
[703]	NISVX	N/I Numeric Investors Small Cap Value	11/30/98
[704]		Nations Managed Sm Cap Val Idx Inv A	11/24/97
[705]		Nations Managed Sm Cap Val Idx Inv C	11/24/97
[706]		Nations Managed Sm Cap Val Idx PrmA	11/24/97
[707]		Nations Managed Sm Cap Val Idx PrmB	11/24/97
[708]		Nationwide Amer Cntry Sm Cp Inc A	12/21/07
[709]		Nationwide Amer Cntry Sm Cp Inc C	12/21/07
[710]		Nationwide Amer Cntry Sm Cp Inc InstlSvc	12/21/07

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[711]		Nationwide Amer Cntry Sm Cp Inc R6	12/21/07
[712]		Nationwide Amer Cntry Sm Cp Inc T	3/24/17
[713]	NWHDX	Nationwide Bailard Cogntv Val A	4/3/06
[714]	NWHDX.lw	Nationwide Bailard Cogntv Val A LW	4/3/06
[715]		Nationwide Bailard Cogntv Val C	4/3/06
[716]	NWHHX	Nationwide Bailard Cogntv Val Instl Svc	4/4/06
[717]	NWHFX	Nationwide Bailard Cogntv Val M	5/30/01
[718]	NWHGX	Nationwide Bailard Cogntv Val R6	9/18/13
[719]	NWUAX.lw	Nationwide US Small Cap Value A LW	12/21/07
[720]		Natixis Delafield Select A	9/26/08
[721]		Natixis Delafield Select A Load Waived	9/26/08
[722]		Natixis Delafield Select C	9/29/08
[723]		Nicholas-Applegate US Small Cap Value	5/1/01
[724]	NASYX	Nicholas-Applegate US Small Cap Value II	11/10/04
[725]		Nicholas-Applegate US Small Cap Value R	12/2/04
[726]	NSDVX	North Star Dividend I	5/31/13
[727]	WFICX	North Star Small Cap Value Institutional	12/31/18
[728]	WSCVX	North Star Small Cap Value Investor	2/1/08
[729]	NOSGX	Northern Small Cap Value	3/31/94
[730]	FSCAX	Nuveen Small Cap Value A	8/1/94
[731]	FSCAX.lw	Nuveen Small Cap Value A Load Waived	8/1/94
[732]	FSCVX	Nuveen Small Cap Value C	2/1/99
[733]	FSCCX	Nuveen Small Cap Value I	8/1/94
[734]		Nuveen Small Cap Value R3	9/24/01
[735]	FSCWX	Nuveen Small Cap Value R6	6/30/16
[736]		O'Shaughnessy Small Cap Value I	2/26/16
[737]		Oakmark Small Cap I	11/1/95
[738]		Oakmark Small Cap II	4/10/02
[739]		Oberweis Small-Cap Value Institutional	9/29/17
[740]		Oberweis Small-Cap Value Investor	5/1/18
[741]	OFSAX	Olstein Strategic Opportunities A	11/1/06
[742]	OFSAX.lw	Olstein Strategic Opportunities A LW	11/1/06
[743]	OFSFX	Olstein Strategic Opportunities Adviser	5/11/15
[744]	OFSCX	Olstein Strategic Opportunities C	11/1/06
[745]	OVSAX.lw	Oppenheimer Small Cap Value A LW	12/7/15
[746]	OASVX	Optimum Small-Mid Cap Value A	8/1/03
[747]	OASVX.lw	Optimum Small-Mid Cap Value A LW	8/1/03
[748]	OBSVX	Optimum Small-Mid Cap Value B	8/1/03
[749]	OCSVX	Optimum Small-Mid Cap Value C	8/1/03
[750]	OISVX	Optimum Small-Mid Cap Value Instl	8/1/03
[751]	OPSCX	Optique Small Cap Value	3/31/98
[752]	PVETX	PACE Small/Medium Co Val Eq P2	9/15/21
[753]	PEVAX	PACE Small/Medium Co Value Equity A	11/27/00
[754]	PEVAX.lw	PACE Small/Medium Co Value Equity A LW	11/27/00
[755]	PEVBX	PACE Small/Medium Co Value Equity B	11/28/00
[756]		PACE Small/Medium Co Value Equity C	11/27/00
[757]	PCSVX	PACE Small/Medium Co Value Equity P	8/24/95
[758]	PVEYX	PACE Small/Medium Co Value Equity Y	12/20/00
[759]		Pacific Funds Small-Cap Value A	1/11/16
[760]	PFEAX.lw	Pacific Funds Small-Cap Value A LW	1/11/16
[761]		Pacific Funds Small-Cap Value C	1/11/16
[762]		Pacific Funds Small-Cap Value I-2	1/11/16
[763]		Pacific Funds Small-Cap Value Instl {mg}	1/11/16
[764]		Pacific Funds Small-Cap Value Inv {mg}	1/11/16
[765]		Pacific Funds Small-Cap Value Investor	1/11/16

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[766]	Pacific Funds Small-Cap Value P	1/11/16
[767]	Pacific Funds Small-Cap Value R6	12/31/14
[768] PVCIX	Palm Valley Capital Institutional	10/30/23
[769] PVCMX	Palm Valley Capital Investor	4/30/19
[770]	Panther Small Cap	12/31/14
[771]	Pathfinder	6/29/87
[772] QBNAX	Pear Tree Polaris Small Cap Instl	1/6/93
[773] USBNX	Pear Tree Polaris Small Cap Ord	8/3/92
[774]	PF Small-Cap Value P	6/29/07
[775] TSVAX	PGIM Quant Solutions Small-Cap Val A	2/14/14
[776] TRACX	PGIM Quant Solutions Small-Cap Val C	6/19/15
[777] TSVRX	PGIM Quant Solutions Small-Cap Val R	8/22/06
[778] PSVDX	PGIM Quant Solutions Small-Cap Val R2	12/28/17
[779] PSVKX	PGIM Quant Solutions Small-Cap Val R4	12/28/17
[780] TSVQX	PGIM Quant Solutions Small-Cap Val R6	9/25/14
[781] TASVX	PGIM Quant Solutions Small-Cap Val Z	1/5/93
[782]	PIMCO Advisors Discovery A	6/27/95
[783]	PIMCO Advisors Discovery B	6/27/95
[784]	PIMCO Advisors Discovery C	6/27/95
[785] PCFAX.lw	PIMCO RAE Fundamental PLUS Small A LW	2/28/14
[786]	PIMCO RAE Fundamental PLUS Small D	2/28/14
[787] PMJAX.lw	PIMCO RAE Fundamental US Small A LW	6/5/15
[788] PCFAX	PIMCO RAE PLUS Small A	2/28/14
[789] PCFEX	PIMCO RAE PLUS Small C	2/28/14
[790] PCCPX	PIMCO RAE PLUS Small I-2	5/30/14
[791] PCFIX	PIMCO RAE PLUS Small Instl	9/30/11
[792] PMJAX	PIMCO RAE US Small A	6/5/15
[793]	PIMCO RAE US Small C	6/5/15
[794] PMJPX	PIMCO RAE US Small I-2	6/5/15
[795] PMJIX	PIMCO RAE US Small Instl	6/5/15
[796] PVFIX	Pinnacle Value	4/1/03
[797]	PL Small-Cap Value A	6/29/07
[798]	PL Small-Cap Value A Load Waived	6/29/07
[799]	PNC Multi Factor Small Cap Value A	8/15/94
[800] PMRRX.lw	PNC Multi Factor Small Cap Value A LW	8/15/94
[801]	PNC Multi Factor Small Cap Value C	1/27/00
[802]	PNC Multi Factor Small Cap Value I	7/26/94
[803]	PPM America Small Cap Value Equity	12/23/98
[804]	PPM Small Cap Value Institutional	5/1/18
[805] PSUAX	Principal SmallCap Value A	6/28/05
[806] PSUAX.lw	Principal SmallCap Value A Load Waived	6/28/05
[807] PSVBX	Principal SmallCap Value B	6/28/05
[808] PSUCX	Principal SmallCap Value C	1/16/07
[809] PPKIX	Principal SmallCap Value I Inst	12/30/02
[810] PSASX	Principal SmallCap Value I R1	11/1/04
[811] PPKNX	Principal SmallCap Value I R2	12/30/02
[812] PPKMX	Principal SmallCap Value I R3	12/30/02
[813] PPKSX	Principal SmallCap Value I R4	12/30/02
[814] PPKPX	Principal SmallCap Value I R5	12/30/02
[815]	Principal SmallCap Value II A	6/3/14
[816] PSVAX.lw	Principal SmallCap Value II A LW	6/3/14
[817] PPVIX	Principal SmallCap Value II Instl	6/1/04
[818] PSMJX	Principal SmallCap Value II J	3/2/09
[819]	Principal SmallCap Value II P	6/3/14
[820] PCPTX	Principal SmallCap Value II R1	11/1/04



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[821]		Principal SmallCap Value II R2	6/1/04
[822]	PJARX	Principal SmallCap Value II R3	6/1/04
[823]	PSTWX	Principal SmallCap Value II R4	6/1/04
[824]	PLARX	Principal SmallCap Value II R5	6/1/04
[825]	PSMVX	Principal SmallCap Value II R6	11/25/14
[826]	PCVIX	Principal SmallCap Value III Inst	3/1/01
[827]	PCVJX	Principal SmallCap Value III J	3/1/01
[828]	PVUUX	Principal SmallCap Value III R1	11/1/04
[829]	PSVLX	Principal SmallCap Value III R2	3/1/01
[830]	PVUPX	Principal SmallCap Value III R3	3/1/01
[831]	PIARX	Principal SmallCap Value III R4	3/1/01
[832]	PHARX	Principal SmallCap Value III R5	3/1/01
[833]	PVSIX	Principal SmallCap Value Inst	3/1/01
[834]	PSVJX	Principal SmallCap Value J	3/1/01
[835]	PSAVX	Principal SmallCap Value R1	11/1/04
[836]	PSVNX	Principal SmallCap Value R2	12/6/00
[837]	PSVMX	Principal SmallCap Value R3	12/6/00
[838]	PSVSX	Principal SmallCap Value R4	12/6/00
[839]	PSVPX	Principal SmallCap Value R5	12/6/00
[840]	SVPIX	ProFunds Small Cap Value Inv	9/4/01
[841]	SVPSX	ProFunds Small Cap Value Svc	9/4/01
[842]		Prudential Mid-Cap Value A	5/11/98
[843]		Prudential Mid-Cap Value A Load Waived	5/11/98
[844]		Prudential Mid-Cap Value B	5/11/98
[845]		Prudential Mid-Cap Value C	5/11/98
[846]		Prudential Mid-Cap Value Z	5/11/98
[847]	PZVAX	Prudential Small Cap Value A	11/3/99
[848]	PZVAX.lw	Prudential Small Cap Value A LW	11/3/99
[849]	PZVBX	Prudential Small Cap Value B	11/3/99
[850]	PZVCX	Prudential Small Cap Value C	11/3/99
[851]		Prudential Small Cap Value L	8/19/05
[852]		Prudential Small Cap Value M	8/19/05
[853]	PSVQX	Prudential Small Cap Value Q	9/25/14
[854]	PSVRX	Prudential Small Cap Value R	4/8/11
[855]		Prudential Small Cap Value X	8/19/05
[856]	PSVZX	Prudential Small Cap Value Z	4/8/11
[857]		Prudential Small Capitalization Val A	11/4/99
[858]		Prudential Small Capitalization Val B	11/4/99
[859]		Prudential Small Capitalization Val C	11/4/99
[860]	PSLAX	Putnam Small Cap Value A	4/12/99
[861]	PSLAX.lw	Putnam Small Cap Value A Load Waived	4/12/99
[862]	PSLBX	Putnam Small Cap Value B	5/3/99
[863]	PSLCX	Putnam Small Cap Value C	7/26/99
[864]		Putnam Small Cap Value M	3/29/00
[865]	PSCRX	Putnam Small Cap Value R	3/30/07
[866]		Putnam Small Cap Value R5	11/1/13
[867]	PSCMX	Putnam Small Cap Value R6	11/1/13
[868]	PYSVX	Putnam Small Cap Value Y	1/3/01
[869]	PZISX	Pzena Small Cap Value Institutional	4/27/16
[870]	PZVSX	Pzena Small Cap Value Investor	4/27/16
[871]	QUSVX.lw	Quaker Small-Cap Value A Load Waived	11/25/96
[872]	QSVBX	Quaker Small-Cap Value B	11/14/00
[873]		Quaker Small-Cap Value C	7/28/00
[874]	SCBOX	RAM Small Cap A	12/22/08
[875]	SCBOX.lw	RAM Small Cap A Load Waived	12/22/08

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[876]	RAM Small Cap C	12/15/08
[877]	RAM Small Cap I	12/15/08
[878] TMVAX	RBC Microcap Value A	4/19/04
[879] TMVAX.lw	RBC Microcap Value A Load Waived	4/19/04
[880] TMVCX	RBC Microcap Value C	4/19/04
[881] RMVIX	RBC Microcap Value I	9/10/87
[882] TMVRX	RBC Microcap Value R	4/19/04
[883] RBVAX	RBC Small Cap Value A	1/28/21
[884] RSVIX	RBC Small Cap Value I	12/3/14
[885] RRSVX	RBC Small Cap Value R6	11/21/16
[886]	REvest Value	8/1/94
[887]	Riverside Capital Value Equity	10/31/91
[888] RDVAX	RiverSource Disciplined Sm Cp Val A	2/16/06
[889] RDVAX.lw	RiverSource Disciplined Sm Cp Val A LW	2/16/06
[890]	RiverSource Disciplined Sm Cp Val B	2/16/06
[891] RDVCX	RiverSource Disciplined Sm Cp Val C	2/16/06
[892]	RiverSource Disciplined Sm Cp Val I	2/16/06
[893]	RiverSource Disciplined Sm Cp Val R	12/11/06
[894]	RiverSource Disciplined Sm Cp Val R3	12/11/06
[895] RSDVX	RiverSource Disciplined Small Cap Val R4	2/16/06
[896]	RiverSource Disciplined Small Cap Val R5	12/11/06
[897]	Robertson Stephens Partners C	4/1/97
[898] RPCSX	Rocky Peak Small Cap Value	4/2/12
[899]	Roumell Opportunistic Value A	12/31/10
[900] RAMVX.lw	Roumell Opportunistic Value A LW	12/31/10
[901]	Roumell Opportunistic Value C	7/30/13
[902] RAMSX	Roumell Opportunistic Value Instl	12/31/10
[903]	Royce Equity-Income	1/2/90
[904]	Royce Opportunity K	5/15/08
[905] ROFCX	Royce Small-Cap Opportunity Consult	3/30/06
[906] ROFIX	Royce Small-Cap Opportunity Instl	12/12/01
[907] RYPNX	Royce Small-Cap Opportunity Invmt	11/19/96
[908] ROFRX	Royce Small-Cap Opportunity R	5/21/07
[909] RYOFX	Royce Small-Cap Opportunity Svc	5/22/00
[910] RSQCX	Royce Small-Cap Special Equity Consult	6/2/03
[911] RSEIX	Royce Small-Cap Special Equity Instl	7/25/03
[912] RYSEX	Royce Small-Cap Special Equity Invmt	5/1/98
[913] RSEFX	Royce Small-Cap Special Equity Svc	10/2/03
[914] RYTCX	Royce Small-Cap Total Return Consult	10/16/01
[915] RTRIX	Royce Small-Cap Total Return Instl	3/4/03
[916] RYTRX	Royce Small-Cap Total Return Invmt	12/15/93
[917] RTRRX	Royce Small-Cap Total Return R	5/21/07
[918] RYTFX	Royce Small-Cap Total Return Svc	1/3/02
[919]	Royce Small-Cap Value Consultant	3/30/06
[920]	Royce Small-Cap Value Institutional	6/1/06
[921] RVVHX	Royce Small-Cap Value Investment	3/15/07
[922]	Royce Small-Cap Value K	5/15/08
[923]	Royce Small-Cap Value R	9/14/07
[924] RYVFX	Royce Small-Cap Value Service	6/14/01
[925]	Royce Total Return K	5/1/08
[926]	Royce Total Return W	5/19/05
[927] RYMVX	Rydex S&P MidCap 400 Pure Value A	9/1/04
[928] RYMVX.lw	Rydex S&P MidCap 400 Pure Value A LW	9/1/04
[929] RYMMX	Rydex S&P MidCap 400 Pure Value C	2/20/04
[930] RYAVX	Rydex S&P MidCap 400 Pure Value H	2/20/04

	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[931]	RYSVX	Rydex S&P SmallCap 600 Pure Value A	9/1/04
[932]	RYSVX.lw	Rydex S&P SmallCap 600 Pure Value A LW	9/1/04
[933]	RYYCX	Rydex S&P SmallCap 600 Pure Value C	2/20/04
[934]	RYAZX	Rydex S&P SmallCap 600 Pure Value H	2/20/04
[935]		SAFECO Advisor Northwest A	9/30/94
[936]		SAFECO Advisor Northwest B	9/30/94
[937]		SAFECO Advisor Northwest C	9/30/94
[938]		Schneider Small Cap Value	9/2/98
[939]		Schwab Instit Select Small-Cap Value Idx	2/1/99
[940]		Scudder Micro Cap	8/12/96
[941]		Scudder Small Company Value AARP	8/28/00
[942]		Sefton Small Company Value	7/1/97
[943]		Segall Bryant & Hamill Sm Cp Val Div Ret	12/13/04
[944]		Segall Bryant & Hamill Sm Cp ValDivInstl	9/28/07
[945]		Segall Bryant&Hamill Sm CpValNewIns{mg}	5/7/19
[946]	SESVX	SEI Small Cap Value F (SIMT)	12/20/94
[947]	SMVIX	SEI Small Cap Value I (SIMT)	2/11/02
[948]	SPVYX	SEI Small Cap Value Y (SIMT)	10/30/15
[949]		Seligman Smaller Cap Value D	4/25/97
[950]	SCVRX	Seligman Smaller Cap Value R3	8/3/09
[951]		Skyline Small Cap Contrarian	12/15/97
[952]		Skyline Small Cap Value Plus	2/9/93
[953]		Small Cap Value	12/16/05
[954]		SMEAD Value Fund C	7/28/97
[955]	SNWAX.lw	Snow Capital Small Cap Value A LW	11/30/10
[956]	SPSAX	Sterling Capital Behav Sm Cp Val Eq A	2/1/10
[957]	SPSAX.lw	Sterling Capital Behav Sm Cp Val Eq A LW	2/1/10
[958]		Sterling Capital Behav Sm Cp Val Eq B	2/1/10
[959]	SPSDX	Sterling Capital Behav Sm Cp Val Eq C	2/1/10
[960]	SPSCX	Sterling Capital Behav Sm Cp Val Eq Intl	1/2/97
[961]		Sterling Capital Behav Sm Cp Val Eq R	2/1/10
[962]	STRBX	Sterling Capital Behav Sm Cp Val Eq R6	2/1/18
[963]		Sterling CapitalStrattonSmCpValInstl{mg}	11/16/15
[964]		Strategic Partners Small Company Fu A LW	4/12/04
[965]		Strategic Partners Small Company Fund A	4/12/04
[966]		Strategic Partners Small Company Fund B	4/12/04
[967]		Strategic Partners Small Company Fund C	7/28/97
[968]		Strategic Partners Small Company Fund L	7/28/97
[969]		Strategic Partners Small Company Fund M	7/28/97
[970]		Strategic Partners Small Company Fund X	7/28/97
[971]		Symons Concentrated Small Cap Val Instl	12/5/16
[972]		Teddy Roosevelt Total Return	4/4/94
[973]	TASCX	Third Avenue Small Cap Value Instl	4/1/97
[974]	TVSVX	Third Avenue Small Cap Value Investor	12/31/09
[975]	TASZX	Third Avenue Small Cap Value Z	3/1/18
[976]	TCFSCV	Thrivent Core Small Cap Value	3/31/22
[977]		TIAA-CREF Small-Cap Val Idx Instl	10/1/02
[978]	TRSVX	TIAA-CREF Small-Cap Val Idx Retire	10/1/02
[979]		Tocqueville Phoenix Fund	11/19/93
[980]		Tocqueville Phoenix Fund I	7/24/18
[981]		Tocqueville Select	9/26/08
[982]	TCSAX	Touchstone Diversified Small Value A	11/20/06
[983]	TCSAX.lw	Touchstone Diversified Small Value A LW	11/20/06
[984]		Touchstone Micro Cap Value A {mg}	9/5/12
[985]		Touchstone Micro Cap Value C {mg}	9/5/12

	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[986]		Touchstone Micro Cap Value Y{mg}	9/5/12
[987]		Touchstone Small Cap Val Opportunit A LW	7/23/07
[988]		Touchstone Small Cap Val Opportunities A	7/23/07
[989]		Touchstone Small Cap Val Opportunities C	7/23/07
[990]	TVOAX	Touchstone Small Cap Value A	3/4/02
[991]	TVOAX.lw	Touchstone Small Cap Value A LW	3/4/02
[992]	MERGE	Touchstone Small Cap Value A(mg)	3/1/11
[993]	MERGE.lw	Touchstone Small Cap Value A(mg) LW	3/1/11
[994]	TVOCX	Touchstone Small Cap Value C	3/1/11
[995]	TVOIX	Touchstone Small Cap Value Institutional	3/1/11
[996]		Touchstone Small Cap Value Opp A(mg)	4/12/12
[997]		Touchstone Small Cap Value Opp A(mg) LW	4/12/12
[998]		Touchstone Small Cap Value Opp Instl(mg)	4/10/12
[999]		Touchstone Small Cap Value Opp Y(mg)	4/10/12
[1000]	TVOYX	Touchstone Small Cap Value Y	3/1/11
[1001]		Touchstone Small Company Value A	4/1/03
[1002]	FTVAX.lw	Touchstone Small Company Value A LW	4/1/03
[1003]		Touchstone Small Company Value A{mg}	9/5/12
[1004]		Touchstone Small Company Value C	4/1/03
[1005]		Touchstone Small Company Value C{mg}	9/5/12
[1006]	FTVLX	Touchstone Small Company Value Instl	9/10/12
[1007]	FTVIX	Touchstone Small Company Value Y	4/1/03
[1008]		Touchstone Small Company Value Y{mg}	9/5/12
[1009]	TDVFX	Towle Deep Value	10/31/11
[1010]		Transamerica Partners Small Core	7/5/94
[1011]		Transamerica Small Cap Core A	10/31/13
[1012]	SCCAX.lw	Transamerica Small Cap Core A LW	10/31/13
[1013]		Transamerica Small Cap Core Advisor	12/16/16
[1014]		Transamerica Small Cap Core C	10/31/13
[1015]		Transamerica Small Cap Core I	10/31/13
[1016]		Transamerica Small Cap Core I2	10/31/13
[1017]		Transamerica Small Cap Core I3	3/10/17
[1018]		Transamerica Small Cap Core R	3/10/17
[1019]		Transamerica Small Cap Core R4	9/11/00
[1020]		Transamerica Small Cap Core T1	3/17/17
[1021]	TSLAX	Transamerica Small Cap Value A	4/30/12
[1022]	TSLAX.lw	Transamerica Small Cap Value A LW	4/30/12
[1023]		Transamerica Small Cap Value Advisor	12/16/16
[1024]	TSLCX	Transamerica Small Cap Value C	4/30/12
[1025]	TSLIX	Transamerica Small Cap Value I	4/30/12
[1026]		Transamerica Small Cap Value I2	4/30/12
[1027]	TSLTX	Transamerica Small Cap Value I3	1/23/03
[1028]	TRSLX	Transamerica Small Cap Value R	4/21/17
[1029]	TSLFX	Transamerica Small Cap Value R4	1/23/03
[1030]	TSLRX	Transamerica Small Cap Value R6	7/25/16
[1031]		Transamerica Small Cap Value T1	3/17/17
[1032]		Triad Small Cap Value	6/29/15
[1033]		Trust of the South Southeastern Eqty	1/15/93
[1034]		UAM NWQ Small Cap Value	11/4/97
[1035]	UBVAX.lw	Undiscovered Managers Behavioral Va A LW	6/4/04
[1036]	UBVAX	Undiscovered Managers Behavioral Val A	6/4/04
[1037]	UBVCX	Undiscovered Managers Behavioral Val C	6/4/04
[1038]	UBVSX	Undiscovered Managers Behavioral Val I	4/30/13
[1039]	UBVLX	Undiscovered Managers Behavioral Val L	12/28/98
[1040]	UBVRX	Undiscovered Managers Behavioral Val R2	4/30/13

	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[1041]	UBVTX	Undiscovered Managers Behavioral Val R3	3/1/17
[1042]	UBVUX	Undiscovered Managers Behavioral Val R4	3/1/17
[1043]	UBVVX	Undiscovered Managers Behavioral Val R5	3/1/17
[1044]	UBVFX	Undiscovered Managers Behavioral Val R6	4/30/13
[1045]		Undiscovered Managers Sm Cap Val C	4/26/99
[1046]		Undiscovered Managers Special SmCp Is	12/29/97
[1047]	UBVBX	Undiscovered Mgrs Behavioral Value B	6/4/04
[1048]		USA Mutuals Takeover Targets A	5/5/15
[1049]		USA Mutuals Takeover Targets A LW	5/5/15
[1050]		USA Mutuals Takeover Targets C	5/5/15
[1051]		USA Mutuals Takeover Targets Instl	5/5/15
[1052]		USA Mutuals Takeover Targets Investor	5/5/15
[1053]	VSSVX	VALIC Company I Small Cap Special Val	12/5/05
[1054]	VVSCX	VALIC Company I Small Cap Value	9/21/98
[1055]	VKDAX.lw	Van Kampen Disciplined Small Cap Va A LW	3/30/07
[1056]	VKDAX	Van Kampen Disciplined Small Cap Value A	3/30/07
[1057]	VKDBX	Van Kampen Disciplined Small Cap Value B	3/30/07
[1058]	VKDCX	Van Kampen Disciplined Small Cap Value C	3/30/07
[1059]	VKDIX	Van Kampen Disciplined Small Cap Value I	3/30/07
[1060]	VRTVX	Vanguard Russell 2000 Value Index I	7/13/12
[1061]	VSMVX	Vanguard S&P Small-Cap 600 Val Idx Instl	11/19/14
[1062]	VSIAX	Vanguard Small Cap Value Index Admiral	9/27/11
[1063]	VSIIX	Vanguard Small Cap Value Index I	12/7/99
[1064]	VISVX	Vanguard Small Cap Value Index Inv	5/21/98
[1065]	VESAX	VELA Small Cap A	9/30/20
[1066]	VESMX	VELA Small Cap I	9/30/20
[1067]	VYSVX	Vericimetry US Small Cap Value	12/27/11
[1068]	MMEAX	Victory Integrity Discovery A	12/26/96
[1069]	MMEAX.lw	Victory Integrity Discovery A LW	12/26/96
[1070]	MMECX	Victory Integrity Discovery C	3/31/97
[1071]	MMMMX	Victory Integrity Discovery Member	11/2/20
[1072]	MMERX	Victory Integrity Discovery R	7/29/04
[1073]	MMEYX	Victory Integrity Discovery Y	12/26/96
[1074]	VSCVX	Victory Integrity Small-Cap Value A	3/30/04
[1075]	VSCVX.lw	Victory Integrity Small-Cap Value A LW	3/30/04
[1076]	MCVSX	Victory Integrity Small-Cap Value C	5/13/11
[1077]	MRVSX	Victory Integrity Small-Cap Value R	5/13/11
[1078]	MVSSX	Victory Integrity Small-Cap Value R6	6/1/12
[1079]	VSVIX	Victory Integrity Small-Cap Value Y	7/7/05
[1080]	RSPFX	Victory RS Partners A	7/12/95
[1081]	RSPFX.lw	Victory RS Partners A Load Waived	7/12/95
[1082]	RSPMX	Victory RS Partners Member	11/2/20
[1083]	RSPKX	Victory RS Partners R	10/13/06
[1084]	RPPRX	Victory RS Partners R6	6/1/23
[1085]	RSPYX	Victory RS Partners Y	5/1/07
[1086]		Victory Small Company Opportunity C	2/28/03
[1087]	SSGSX	Victory Sycamore Small Company Opp A	3/26/99
[1088]	SSGSX.lw	Victory Sycamore Small Company Opp A LW	3/26/99
[1089]	VSOIX	Victory Sycamore Small Company Opp I	8/31/07
[1090]	GOGFX	Victory Sycamore Small Company Opp R	8/16/83
[1091]	VSORX	Victory Sycamore Small Company Opp R6	12/15/15
[1092]	VSOYX	Victory Sycamore Small Company Opp Y	1/28/13
[1093]		Virtus AllianzGI Small-Cap Value R	12/31/02
[1094]	HSVZX	Virtus Disciplined Small Cap Value A	8/17/99
[1095]	HSVZX.lw	Virtus Disciplined Small Cap Value A LW	8/17/99

	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[1096]	PCCZX	Virtus Disciplined Small Cap Value C	6/26/06
[1097]		Virtus Disciplined Small Cap Value I	3/24/97
[1098]		Virtus Disciplined Small Cap Value N	7/9/97
[1099]	PCVAX	Virtus NFJ Small-Cap Value A	1/20/97
[1100]		Virtus NFJ Small-Cap Value Admin	11/1/95
[1101]	PCVCX	Virtus NFJ Small-Cap Value C	1/20/97
[1102]	PSVIX	Virtus NFJ Small-Cap Value Inst	10/1/91
[1103]		Virtus NFJ Small-Cap Value P	7/7/08
[1104]	ANFVX	Virtus NFJ Small-Cap Value R6	12/19/13
[1105]		Virtus Small-Cap Value A	11/20/97
[1106]		Virtus Small-Cap Value A Load Waived	11/20/97
[1107]	PDSBX	Virtus Small-Cap Value B	11/20/97
[1108]		Virtus Small-Cap Value C	11/20/97
[1109]	ICSAX	VY® Columbia Small Cap Value II A	12/29/06
[1110]	ICISX	VY® Columbia Small Cap Value II I	4/28/06
[1111]	VYRDX	VY® Columbia Small Cap Value II R6	5/2/16
[1112]	ICSSX	VY® Columbia Small Cap Value II S	5/1/06
[1113]	ICVPX	VY® Columbia Small Cap Value II S2	2/27/09
[1114]		Walhausen Focused Small Cap Val Ins	12/27/10
[1115]		Walhausen Focused Small Cap Val R6	11/1/16
[1116]		Walhausen Focused Small Cap Val Rtl	12/27/10
[1117]	WCMFX	WCM SMID Quality Val Fd Institutional	10/30/19
[1118]	WCMJX	WCM SMID Quality Val Fd Investor	10/30/19
[1119]	WFRAX.lw	Wells Fargo Advantage Strat Sm Cap A LW	10/31/06
[1120]	WFRAX	Wells Fargo Advantage Strat Sm Cap Val A	10/31/06
[1121]	WFRCX	Wells Fargo Advantage Strat Sm Cap Val C	10/31/06
[1122]	WFRDX	Wells Fargo Advantage Strat Sm Cp Val Ad	10/31/06
[1123]	SCVAX.lw	Wells Fargo Small Company Value A LW	1/31/02
[1124]		Wells Fargo Small Company Value B	1/31/02
[1125]	ESPAX.lw	Wells Fargo Special Small Cap Value A LW	5/7/93
[1126]		Wells Fargo Special Small Cap Value B	3/26/99
[1127]		West University	2/1/96
[1128]		Westcore Small Cap Opportunity Ret	1/3/94
[1129]		WHV/Seizert Small Cap Value Equity A	9/30/13
[1130]		WHV/Seizert Small Cap Value Equity A LW	9/30/13
[1131]		WHV/Seizert Small Cap Value Equity I	9/30/13
[1132]	ISMVX	William Blair Small-Mid Cap Value I	8/17/23
[1133]	RSMVX	William Blair Small-Mid Cap Value R6	8/17/23
[1134]	ICSCX	William Blair Small Cap Value I	4/19/89
[1135]		William Blair Small Cap Value I {mg}	7/16/21
[1136]	WBVNX	William Blair Small Cap Value N	7/19/21
[1137]	WBVRX	William Blair Small Cap Value R6	7/19/21
[1138]		William Blair Value Discovery A	11/2/99
[1139]		William Blair Value Discovery B	11/2/99
[1140]		William Blair Value Discovery C	11/2/99
[1141]	WSFAX.lw	Wilmington Fdmntly Weighted Sm Com A LW	12/18/06
[1142]	WSFAX	Wilmington Fdmntly Weighted Sm Compy A	12/18/06
[1143]	WSFIX	Wilmington Fdmntly Weighted Sm Compy I	12/18/06
[1144]		Wilmington Small Cap Value A	12/19/05
[1145]		Wilmington Small Cap Value A LW	12/19/05
[1146]		Wilmington Small Cap Value I	12/19/05
[1147]	WSMVX	Wilshire Small Company Value Instl	7/15/96
[1148]	DTSVX	Wilshire Small Company Value Invmt	9/30/92
[1149]		WM Small Cap Value A	3/1/04
[1150]		WM Small Cap Value A Load Waived	3/1/04



Exhibit 6

	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[1151]		WM Small Cap Value B	3/1/04
[1152]		WM Small Cap Value C	3/1/04
[1153]		WM Small Cap Value I	3/1/04
[1154]		WM Small Cap Value R1	2/28/06
[1155]		WM Small Cap Value R2	2/28/06
[1156]	WPGSX	WPG Partners Select Small Cap Value Ins	12/29/21
[1157]	WPGTX	WPG Partners Small Cap Value Div Fund	3/30/72
[1158]		Wright Junior Blue Chip Equities	1/14/85
[1159]		Ziegler Piermont Small Cap Value Instl	7/21/20
[1160]		Ziegler Piermont Small Cap Value Inv	7/20/20

# EXHIBIT 7

**Exhibit 7 - American Beacon Small Cap Value Fund Potential Alternative Funds**

Source: Morningstar Direct

	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[1]	ABSZX	AB Discovery Value Z	10/15/13
[2]	ESPRX	Allspring Special Small Cap Value R6	10/31/14
[3]	ASVDX	American Century Small Cap Value R6	7/26/13
[4]	BPSIX	Boston Partners Small Cap Value II I	7/1/98
[5]	BOSVX	Bridgeway Omni Small-Cap Value N	8/31/11
[6]		Bridgeway Omni Tax-Managed Sm-Cp Val N	12/31/10
[7]	CSVYX	Columbia Small Cap Value I Inst3	7/15/09
[8]	DVZRX	Delaware Small Cap Value R6	5/2/16
[9]		DFA Tax-Managed US Targeted Value	12/11/98
[10]	DFS VX	DFA US Small Cap Value I	3/2/93
[11]	DFVX	DFA US Targeted Value I	2/23/00
[12]	DHSYX	Diamond Hill Small Cap Y	12/30/11
[13]	FRCSX	Franklin Small Cap Value R6	5/1/13
[14]	GTTUX	Goldman Sachs Small Cp Val Insights R6	7/31/15
[15]	HNTVX	Heartland Value Institutional	5/1/08
[16]	HWSZX	Hotchkis & Wiley Small Cap Value Z	9/30/19
[17]	SMVSX	Invesco Small Cap Value R6	2/7/17
[18]	JDSNX	Janus Henderson Small Cap Value N	5/31/12
[19]	JSCNX	JHancock Small Cap Value NAV	12/16/08
[20]		JNL/PPM America Small Cap Value I	3/31/08
[21]	JSVUX	JPMorgan Small Cap Value R6	2/22/05
[22]	LRSVX	Lord Abbett Small Cap Value R6	6/30/15
[23]	NDVVX	MFS New Discovery Value R6	7/2/12
[24]	MAVKX	MoA Small Cap Value Fund	7/1/05
[25]	NOSGX	Northern Small Cap Value	3/31/94
[26]	FSCWX	Nuveen Small Cap Value R6	6/30/16
[27]	OISVX	Optimum Small-Mid Cap Value Instl	8/1/03
[28]	TSVQX	PGIM Quant Solutions Small-Cap Val R6	9/25/14
[29]	PSMVX	Principal SmallCap Value II R6	11/25/14
[30]	ROFIX	Royce Small-Cap Opportunity Instl	12/12/01
[31]	RSEIX	Royce Small-Cap Special Equity Instl	7/25/03
[32]	RTRIX	Royce Small-Cap Total Return Instl	3/4/03
[33]	UBVFX	Undiscovered Managers Behavioral Val R6	4/30/13
[34]	VSIIX	Vanguard Small Cap Value Index I	12/7/99
[35]	MVSSX	Victory Integrity Small-Cap Value R6	6/1/12
[36]	VSORX	Victory Sycamore Small Company Opp R6	12/15/15
[37]	ANFVX	Virtus NFJ Small-Cap Value R6	12/19/13
[38]	WBVRX	William Blair Small Cap Value R6	7/19/21

# EXHIBIT 8

**Exhibit 8 - American Beacon Small Cap Value Potential Alternative Funds - Scorecard from December 30, 2018 to March 31, 2020**  
Source: Morningstar Direct

[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]	
Potential Alternative Fund	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score	
		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y		
as of Q4 2018															
[1] Janus Henderson Small Cap Value N	33	37	37	37	37	38	28	37	34	37	34	37	28	32	449
[2] Victory Sycamore Small Company Opp R6	15	28	27	35	37	38	38	38	38	38	38	38	38	38	446
[3] MFS New Discovery Value R6	15	30	33	30	31	37	36	36	36	36	36	36	37	35	428
[4] Vanguard Small Cap Value Index I	37	29	31	29	30	26	35	28	35	28	35	26	34	403	
[5] Allspring Special Small Cap Value R6	21	27	29	24	26	30	34	32	34	32	34	30	36	389	
[6] Franklin Small Cap Value R6	31	31	23	33	34	33	22	35	22	35	23	32	22	376	
[7] Royce Small-Cap Total Return Instl	2	33	35	34	36	31	23	33	26	33	26	31	23	366	
[8] Royce Small-Cap Special Equity Instl	3	36	32	38	35	36	15	37	16	37	19	34	20	358	
[9] Goldman Sachs Small Cp Val Insights R6	10	16	16	23	25	32	32	31	32	30	31	35	37	350	
[10] AB Discovery Value Z	23	22	22	27	29	24	29	24	29	24	29	24	29	335	
[11] Undiscovered Managers Behavioral Val R6	15	24	30	18	19	17	31	21	33	23	33	22	30	316	
[12] William Blair Small Cap Value R6	24	9	9	9	10	35	30	30	30	31	30	36	33	316	
[13] Delaware Small Cap Value R6	26	17	18	19	20	25	27	26	28	26	28	25	26	311	
[14] Northern Small Cap Value	3	23	21	25	27	21	25	22	27	22	25	9	27	277	
[15] JNL/PPM America Small Cap Value I	29	4	4	4	4	27	33	25	31	25	32	27	31	276	
[16] Columbia Small Cap Value I Inst3	15	6	7	8	9	29	28	27	25	27	27	29	28	265	
[17] Boston Partners Small Cap Value II I	6	25	26	22	24	14	18	17	18	20	16	12	16	234	
[18] DFA Tax-Managed US Targeted Value	34	19	20	17	18	13	19	14	19	13	18	5	17	226	
[19] MoA Small Cap Value Fund	20	32	36	31	32	7	11	7	12	9	14	4	9	224	
[20] American Century Small Cap Value R6	N.A.	13	13	14	15	18	24	18	23	18	22	20	24	222	
[21] Diamond Hill Small Cap Y	15	38	38	32	33	2	6	3	6	7	13	16	13	222	
[22] Lord Abbett Small Cap Value R6	12	26	24	16	17	10	17	11	17	16	17	18	19	220	
[23] DFA US Targeted Value I	36	14	14	15	16	20	13	19	13	19	12	13	10	214	
[24] JHancock Small Cap Value NAV	7	18	17	26	28	9	21	8	21	6	21	6	21	209	
[25] Principal SmallCap Value II R6	8	20	19	20	22	12	20	12	20	11	20	1	18	203	
[26] Bridgeway Omni Tax-Managed Sm-Cp Val N	30	8	6	5	5	23	12	23	11	21	10	23	11	188	
[27] JPMorgan Small Cap Value R6	25	15	15	21	23	16	10	16	10	15	9	2	2	179	
[28] Heartland Value Institutional	10	34	28	36	8	8	2	9	2	12	3	19	5	176	
[29] DFA US Small Cap Value I	35	12	10	12	13	19	8	15	8	14	7	10	4	167	
[30] Nuveen Small Cap Value R6	13	11	12	6	6	6	26	6	24	3	24	3	25	165	
[31] Royce Small-Cap Opportunity Instl	5	3	2	2	2	34	5	29	5	29	5	33	8	162	
[32] PGIM Quant Solutions Small-Cap Val R6	28	7	8	7	7	15	14	13	14	10	11	14	12	160	
[33] Bridgeway Omni Small-Cap Value N	31	5	5	3	3	22	7	20	7	17	6	21	7	154	
[34] Victory Integrity Small-Cap Value R6	8	10	11	11	12	11	16	10	15	8	15	11	14	152	
[35] Optimum Small-Mid Cap Value Instl	1	35	34	28	21	3	1	2	1	5	1	8	1	141	
[36] Virtus NFJ Small-Cap Value R6	21	21	25	14	14	5	4	5	3	4	4	7	3	129	
[37] Hotchkis & Wiley Small Cap Value Z	13	2	3	10	11	4	9	4	9	2	8	15	15	105	
[38] Invesco Small Cap Value R6	26	1	1	1	1	1	3	1	4	1	2	17	6	65	

	[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]
	Potential Alternative Fund	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
	as of Q1 2019		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
[39]	Janus Henderson Small Cap Value N	33	38	37	37	38	30	35	36	37	36	36	30	31	454
[40]	Victory Sycamore Small Company Opp R6	15	28	31	35	37	38	38	38	38	38	38	38	38	450
[41]	MFS New Discovery Value R6	15	29	32	30	31	37	36	37	36	37	37	37	36	430
[42]	Vanguard Small Cap Value Index I	37	30	30	29	30	29	32	30	35	28	33	28	33	404
[43]	Allspring Special Small Cap Value R6	21	26	29	24	26	32	30	34	33	32	32	32	32	383
[44]	Franklin Small Cap Value R6	31	35	28	33	34	27	21	35	22	34	24	29	21	374
[45]	Goldman Sachs Small Cap Val Insights R6	10	21	18	23	25	34	31	32	31	29	30	34	37	355
[46]	Royce Small-Cap Total Return Instl	2	32	36	34	36	26	23	31	28	30	27	25	23	353
[47]	AB Discovery Value Z	23	25	24	27	29	22	28	23	29	23	29	19	28	329
[48]	Royce Small-Cap Special Equity Instl	3	36	34	38	35	25	12	28	16	35	17	26	17	322
[49]	Delaware Small Cap Value R6	26	20	17	19	20	28	26	26	25	26	26	27	25	311
[50]	William Blair Small Cap Value R6	N.A.	9	11	9	10	35	34	33	30	33	31	36	35	306
[51]	American Century Small Cap Value R6	25	11	10	14	15	31	29	24	27	25	28	31	29	299
[52]	Undiscovered Managers Behavioral Val R6	15	17	23	18	19	13	33	18	34	21	34	21	30	296
[53]	Northern Small Cap Value	3	23	21	25	27	17	25	21	26	19	25	4	26	262
[54]	Columbia Small Cap Value I Inst3	15	7	6	8	9	33	27	25	23	24	22	33	27	259
[55]	JNL/PPM America Small Cap Value I	29	3	4	4	4	23	37	15	32	15	35	22	34	257
[56]	Principal SmallCap Value II R6	8	22	19	20	22	20	22	22	21	20	21	7	22	246
[57]	Lord Abbett Small Cap Value R6	12	27	25	16	17	10	18	20	20	22	20	17	19	243
[58]	DFA Tax-Managed US Targeted Value	34	19	20	17	18	12	19	17	18	17	18	6	18	233
[59]	Boston Partners Small Cap Value II I	6	24	26	22	24	11	17	19	17	18	16	11	16	227
[60]	MoA Small Cap Value Fund	20	31	35	31	32	5	11	7	14	13	15	3	8	225
[61]	Heartland Value Institutional	10	33	27	36	8	24	2	27	2	27	2	24	3	225
[62]	Diamond Hill Small Cap Y	15	37	38	32	33	1	5	3	9	12	13	13	10	221
[63]	DFA US Targeted Value I	36	14	14	15	16	18	14	16	12	16	12	10	9	202
[64]	JHancock Small Cap Value NAV	7	18	16	26	28	2	20	1	19	1	19	2	20	179
[65]	Royce Small-Cap Opportunity Instl	5	2	2	2	2	36	8	29	6	31	6	35	11	175
[66]	Victory Integrity Small-Cap Value R6	8	10	12	11	12	15	16	13	15	11	14	14	15	166
[67]	Nuveen Small Cap Value R6	13	13	13	6	6	6	24	5	24	4	23	5	24	166
[68]	JPMorgan Small Cap Value R6	24	15	15	21	23	7	13	10	11	8	10	1	2	160
[69]	Optimum Small-Mid Cap Value Instl	1	34	33	28	21	4	1	6	1	14	1	12	1	157
[70]	DFA US Small Cap Value I	35	12	9	12	13	14	10	11	10	9	9	8	4	156
[71]	PGIM Quant Solutions Small-Cap Val R6	28	6	7	7	7	8	15	8	13	5	11	15	14	144
[72]	Bridgeway Omni Tax-Managed Sm-Cp Val N	30	8	8	5	5	19	7	12	7	10	7	16	7	141
[73]	Hotchkis & Wiley Small Cap Value Z	13	4	3	10	11	16	9	9	8	6	8	20	13	130
[74]	Bridgeway Omni Small-Cap Value N	31	5	5	3	3	21	6	14	5	7	18	12	6	129
[75]	Virtus NFJ Small-Cap Value R6	21	16	22	13	14	3	3	2	3	3	4	9	5	118
[76]	Invesco Small Cap Value R6	26	1	1	1	1	9	4	4	4	2	3	23	12	91

[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]
Potential Alternative Fund	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
<i>as of Q2 2019</i>														
[77] Janus Henderson Small Cap Value N	34	38	38	37	38	30	36	36	37	36	36	29	33	458
[78] Victory Sycamore Small Company Opp R6	15	28	29	35	37	38	38	38	38	38	38	38	38	448
[79] MFS New Discovery Value R6	15	30	31	30	31	37	37	37	36	37	37	37	37	432
[80] Allspring Special Small Cap Value R6	21	27	30	24	26	31	34	34	35	33	35	31	34	395
[81] Vanguard Small Cap Value Index I	38	29	28	29	30	25	29	29	31	29	30	25	31	383
[82] Royce Small-Cap Total Return Instl	2	33	35	34	36	28	27	33	28	31	28	28	27	370
[83] Goldman Sachs Small Cp Val Insights R6	10	20	18	23	25	32	30	30	32	30	32	33	36	351
[84] American Century Small Cap Value R6	26	13	10	14	15	35	32	35	30	35	31	35	32	343
[85] William Blair Small Cap Value R6	24	10	11	9	10	34	35	32	34	32	33	36	35	335
[86] AB Discovery Value Z	23	26	26	27	29	23	24	25	24	26	25	22	24	324
[87] Franklin Small Cap Value R6	32	32	27	33	34	15	19	23	20	22	20	17	19	313
[88] Delaware Small Cap Value R6	27	18	15	19	20	27	26	27	26	27	26	27	25	310
[89] Undiscovered Managers Behavioral Val R6	15	15	19	18	19	22	31	21	33	23	34	24	30	304
[90] Boston Partners Small Cap Value II I	6	23	25	22	24	20	20	22	23	20	23	19	20	267
[91] Royce Small-Cap Special Equity Instl	3	35	34	38	35	12	11	16	11	21	14	18	13	261
[92] JHancock Small Cap Value NAV	7	21	20	26	28	11	28	11	27	10	27	8	28	252
[93] Northern Small Cap Value	3	25	22	25	27	14	25	15	25	15	24	5	26	251
[94] Principal SmallCap Value II R6	8	22	21	20	22	17	21	18	22	17	22	11	21	242
[95] Columbia Small Cap Value I Inst3	15	8	7	8	9	29	22	26	19	25	18	32	22	240
[96] DFA Tax-Managed US Targeted Value	35	16	17	17	18	18	17	17	17	16	17	16	16	237
[97] JNL/PPM America Small Cap Value I	30	2	3	5	5	21	33	13	29	13	29	23	29	235
[98] Heartland Value Institutional	10	37	32	36	8	19	2	28	2	28	2	21	5	230
[99] MoA Small Cap Value Fund	20	34	36	31	32	3	13	8	15	8	15	3	11	229
[100] Lord Abbett Small Cap Value R6	12	24	24	16	17	10	18	9	18	11	19	14	18	210
[101] Diamond Hill Small Cap Y	15	36	37	32	33	2	4	5	5	9	10	12	9	209
[102] Royce Small-Cap Opportunity Instl	5	3	2	2	2	36	15	31	14	34	12	34	17	207
[103] DFA US Targeted Value I	37	11	13	15	16	16	14	14	13	14	13	15	12	203
[104] Victory Integrity Small-Cap Value R6	8	12	12	11	12	24	16	19	16	18	16	20	15	199
[105] Invesco Small Cap Value R6	27	1	1	1	1	33	7	24	7	24	6	30	14	176
[106] Hotchkis & Wiley Small Cap Value Z	13	7	4	10	11	26	8	20	8	19	7	26	10	169
[107] Optimum Small-Mid Cap Value Instl	1	31	33	28	21	9	1	12	1	12	1	13	2	165
[108] JPMorgan Small Cap Value R6	25	17	16	21	23	8	12	6	12	5	11	1	1	158
[109] DFA US Small Cap Value I	36	9	9	12	13	13	9	10	9	7	8	10	4	149
[110] Nuveen Small Cap Value R6	13	14	14	6	6	1	23	1	21	1	21	2	23	146
[111] Virtus NFJ Small-Cap Value R6	21	19	23	13	14	6	3	7	3	6	4	9	3	131
[112] PGIM Quant Solutions Small-Cap Val R6	29	5	6	7	7	4	10	2	10	2	9	4	8	103
[113] Bridgeway Omni Tax-Managed Sm-Cp Val N	31	6	8	3	3	7	6	4	6	4	5	6	7	96
[114] Bridgeway Omni Small-Cap Value N	32	4	5	4	4	5	5	3	4	3	3	7	6	85

[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]
Potential Alternative Fund	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
<i>as of Q3 2019</i>														
[115] Janus Henderson Small Cap Value N	33	38	38	37	38	34	33	36	36	35	36	32	32	458
[116] Victory Sycamore Small Company Opp R6	15	29	32	35	37	38	38	38	38	38	38	38	38	452
[117] MFS New Discovery Value R6	15	30	31	30	31	37	37	37	37	37	37	37	36	432
[118] Franklin Small Cap Value R6	31	31	27	33	34	29	31	31	31	31	31	28	31	399
[119] Allspring Special Small Cap Value R6	21	27	29	24	24	33	34	32	35	33	35	33	34	394
[120] Vanguard Small Cap Value Index I	37	28	28	29	30	27	27	30	29	28	29	27	29	378
[121] Royce Small-Cap Total Return Instl	2	33	35	34	36	31	26	33	30	32	30	31	25	378
[122] American Century Small Cap Value R6	25	15	13	14	14	35	35	34	32	34	33	35	33	352
[123] Goldman Sachs Small Cp Val Insights R6	10	21	20	23	23	30	32	29	33	29	32	34	35	351
[124] William Blair Small Cap Value R6	N.A.	10	12	9	9	36	36	35	34	36	34	36	37	324
[125] JHancock Small Cap Value NAV	7	20	19	26	27	25	30	25	28	24	27	24	30	312
[126] Delaware Small Cap Value R6	26	17	16	19	19	28	24	28	24	27	24	29	24	305
[127] AB Discovery Value Z	23	26	25	27	28	21	19	24	23	23	23	20	21	303
[128] Boston Partners Small Cap Value II I	6	25	26	22	22	26	23	26	25	26	25	26	23	301
[129] Undiscovered Managers Behavioral Val R6	15	14	15	18	18	24	29	21	27	22	28	23	28	282
[130] Royce Small-Cap Special Equity Instl	3	35	34	38	35	14	12	22	12	25	18	18	16	282
[131] Northern Small Cap Value	3	24	23	25	26	19	25	23	26	21	26	13	26	280
[132] Principal SmallCap Value II R6	8	22	21	20	20	17	21	20	21	19	20	12	17	238
[133] MoA Small Cap Value Fund	20	34	36	31	32	8	13	8	16	8	16	6	9	237
[134] Diamond Hill Small Cap Y	15	36	37	32	33	9	6	10	9	15	11	11	12	236
[135] DFA Tax-Managed US Targeted Value	34	16	17	17	17	16	15	18	15	17	14	17	14	227
[136] Lord Abbett Small Cap Value R6	12	23	24	16	16	10	18	9	20	10	21	10	18	207
[137] JNL/PPM America Small Cap Value I	29	2	2	5	5	18	28	13	22	11	22	21	27	205
[138] Royce Small-Cap Opportunity Instl	5	3	3	2	2	32	17	27	17	30	15	30	20	203
[139] Optimum Small-Mid Cap Value Instl	1	32	30	28	25	13	2	17	2	20	4	15	2	191
[140] Victory Integrity Small-Cap Value R6	8	13	14	11	11	20	16	19	13	18	12	19	13	187
[141] Heartland Value Institutional	10	37	33	36	29	4	1	6	1	7	5	8	5	182
[142] Columbia Small Cap Value I Inst3	15	9	7	8	8	15	20	15	18	12	17	16	19	179
[143] DFA US Targeted Value I	36	11	10	15	15	11	11	11	11	9	10	9	8	167
[144] JPMorgan Small Cap Value R6	24	18	18	21	21	6	14	5	14	6	13	1	4	165
[145] Virtus NFJ Small-Cap Value R6	21	19	22	13	13	12	3	12	6	13	8	14	6	162
[146] Hotchkis & Wiley Small Cap Value Z	13	5	4	10	10	23	5	16	4	16	3	22	11	142
[147] Nuveen Small Cap Value R6	13	12	11	6	6	3	22	3	19	3	19	2	22	141
[148] Invesco Small Cap Value R6	26	1	1	1	1	22	7	14	5	14	1	25	15	133
[149] DFA US Small Cap Value I	35	8	9	12	12	7	9	7	8	5	7	5	1	125
[150] PGIM Quant Solutions Small-Cap Val R6	28	6	5	7	7	5	10	4	9	4	9	7	10	112
[151] Bridgeway Omni Tax-Managed Sm-Cp Val N	30	7	8	4	4	2	8	2	7	2	6	4	7	91
[152] Bridgeway Omni Small-Cap Value N	31	4	6	3	3	1	4	1	3	1	2	3	3	65



	[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]
Potential Alternative Fund	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score	
		3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y		
as of Q4 2019															
[153] Janus Henderson Small Cap Value N	33	37	38	37	38	34	34	36	36	36	36	32	33	460	
[154] Victory Sycamore Small Company Opp R6	15	33	32	35	37	37	37	37	38	37	37	37	37	38	450
[155] MFS New Discovery Value R6	15	28	31	30	30	38	38	38	38	37	38	38	37	437	37
[156] Franklin Small Cap Value R6	31	31	27	33	34	33	32	33	33	32	33	35	31	418	31
[157] Allspring Special Small Cap Value R6	21	27	30	24	24	35	35	34	35	34	35	36	35	405	35
[158] Royce Small-Cap Total Return Instl	2	34	34	34	36	31	27	35	32	33	29	33	27	387	37
[159] Vanguard Small Cap Value Index I	37	29	28	29	30	29	26	29	28	29	27	31	26	378	37
[160] Goldman Sachs Small Cp Val Insights R6	10	24	21	23	23	26	30	28	30	27	30	28	34	334	34
[161] American Century Small Cap Value R6	25	13	11	14	14	32	33	31	31	31	32	29	32	328	32
[162] Delaware Small Cap Value R6	26	17	16	19	19	28	28	27	27	28	28	27	30	320	30
[163] William Blair Small Cap Value R6	N.A.	12	13	9	9	30	36	30	34	30	34	34	36	307	36
[164] Undiscovered Managers Behavioral Val R6	15	7	15	18	18	27	31	25	29	26	31	26	29	297	29
[165] Boston Partners Small Cap Value II I	6	23	24	22	22	24	24	26	26	25	25	25	24	296	24
[166] AB Discovery Value Z	23	26	23	27	28	22	19	22	20	21	20	22	20	292	20
[167] Diamond Hill Small Cap Y	15	32	37	32	33	21	9	24	14	23	16	21	12	289	12
[168] JHancock Small Cap Value NAV	7	21	19	26	27	23	22	22	24	22	24	23	22	282	22
[169] Lord Abbett Small Cap Value R6	12	19	25	16	16	17	20	17	21	18	23	18	21	243	21
[170] Royce Small-Cap Special Equity Instl	3	36	35	38	35	7	8	7	11	11	15	13	13	232	13
[171] Royce Small-Cap Opportunity Instl	5	3	3	2	2	36	23	32	19	35	19	30	23	232	23
[172] DFA Tax-Managed US Targeted Value	34	15	17	17	17	16	18	15	17	15	17	15	19	232	19
[173] Northern Small Cap Value	3	25	26	25	26	12	21	12	22	12	21	8	18	231	18
[174] JNL/PPM America Small Cap Value I	29	2	2	5	5	20	29	19	25	17	26	20	28	227	28
[175] MoA Small Cap Value Fund	20	35	36	31	32	8	10	8	12	8	12	7	6	225	7
[176] Heartland Value Institutional	10	38	33	36	29	14	1	18	1	19	3	16	4	222	4
[177] Columbia Small Cap Value I Inst3	15	9	7	8	8	18	25	16	23	16	22	17	25	209	25
[178] Principal SmallCap Value II R6	8	22	20	20	20	13	17	13	18	13	18	9	15	206	15
[179] Optimum Small-Mid Cap Value Instl	1	30	29	28	25	19	2	20	3	20	6	19	3	205	3
[180] DFA US Targeted Value I	36	11	10	15	15	11	15	11	15	10	13	10	14	186	14
[181] Victory Integrity Small-Cap Value R6	8	16	14	11	11	15	14	14	13	14	11	14	11	166	11
[182] Virtus NFJ Small-Cap Value R6	21	18	22	13	13	10	5	10	9	9	10	12	8	160	12
[183] Invesco Small Cap Value R6	26	1	1	1	1	25	7	23	4	24	2	24	17	156	17
[184] JPMorgan Small Cap Value R6	24	20	18	21	21	5	12	5	10	5	9	1	1	152	1
[185] DFA US Small Cap Value I	35	10	9	12	12	6	6	6	6	6	5	6	2	121	2
[186] Nuveen Small Cap Value R6	13	14	12	6	6	1	16	1	16	1	14	2	16	118	16
[187] Bridgeway Omni Tax-Managed Sm-Cp Val N	30	8	8	4	4	3	13	3	8	3	8	4	10	106	10
[188] PGIM Quant Solutions Small-Cap Val R6	28	4	5	7	7	4	11	4	7	4	7	5	9	102	9
[189] Hotchkis & Wiley Small Cap Value Z	13	5	4	10	10	9	3	9	2	7	1	11	7	91	7
[190] Bridgeway Omni Small-Cap Value N	31	6	6	3	3	2	4	2	5	2	4	3	5	76	5

	[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]
	Potential Alternative Fund	Expense Ratio	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		Score
			3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
	as of Q1 2020														
[191]	Victory Sycamore Small Company Opp R6	15	36	36	37	37	38	38	38	38	37	38	37	38	463
[192]	MFS New Discovery Value R6	15	29	30	32	32	37	37	37	37	38	37	38	37	436
[193]	Janus Henderson Small Cap Value N	33	37	37	35	35	32	36	30	34	30	32	32	32	435
[194]	Franklin Small Cap Value R6	31	33	32	34	34	34	33	34	35	34	34	34	33	435
[195]	Allspring Special Small Cap Value R6	21	31	31	33	33	33	32	36	33	35	33	36	35	422
[196]	Royce Small-Cap Total Return Instl	2	35	35	36	36	36	34	33	31	32	31	35	34	410
[197]	Royce Small-Cap Special Equity Instl	3	38	38	38	38	35	30	25	25	25	31	31	29	380
[198]	American Century Small Cap Value R6	25	19	16	31	31	30	31	31	32	31	35	29	31	372
[199]	Vanguard Small Cap Value Index I	37	23	25	29	29	29	27	29	26	28	26	30	27	365
[200]	William Blair Small Cap Value R6	N.A.	16	17	22	22	31	35	35	36	36	36	33	36	355
[201]	Delaware Small Cap Value R6	26	18	18	24	24	24	28	27	29	27	29	25	28	327
[202]	Goldman Sachs Small Cp Val Insights R6	10	20	20	19	19	28	29	28	28	29	28	28	30	316
[203]	JHancock Small Cap Value NAV	7	25	24	28	28	27	23	26	21	26	21	27	23	306
[204]	Virtus NFJ Small-Cap Value R6	21	27	28	30	30	23	18	18	15	17	16	24	20	287
[205]	Northern Small Cap Value	3	30	26	26	26	25	25	17	22	18	22	23	24	287
[206]	Royce Small-Cap Opportunity Instl	5	8	5	14	14	26	24	32	30	33	30	26	25	272
[207]	Columbia Small Cap Value I Inst3	15	15	13	15	15	19	26	23	27	24	27	16	26	261
[208]	Principal SmallCap Value II R6	8	22	23	21	21	21	21	19	18	19	18	20	15	246
[209]	AB Discovery Value Z	23	21	21	17	17	18	20	14	19	14	19	17	19	239
[210]	Diamond Hill Small Cap Y	15	28	34	23	23	20	12	13	5	13	8	21	17	232
[211]	Boston Partners Small Cap Value II I	6	13	15	16	16	16	19	24	20	23	20	18	18	224
[212]	Heartland Value Institutional	10	34	29	25	25	22	6	11	1	11	3	22	14	213
[213]	Undiscovered Managers Behavioral Val R6	15	7	10	10	10	11	22	22	23	22	23	14	22	211
[214]	MoA Small Cap Value Fund	20	32	33	20	20	14	13	5	7	6	9	13	9	201
[215]	DFA Tax-Managed US Targeted Value	34	14	14	13	13	12	14	16	17	16	17	11	10	201
[216]	JPMorgan Small Cap Value R6	24	26	22	18	18	15	16	7	14	9	14	9	7	199
[217]	Lord Abbett Small Cap Value R6	12	17	19	12	12	13	15	15	16	15	15	15	16	192
[218]	JNL/PPM America Small Cap Value I	29	3	3	6	6	7	17	20	24	21	24	10	21	191
[219]	Optimum Small-Mid Cap Value Instl	1	24	27	27	27	17	9	10	2	10	6	19	11	190
[220]	DFA US Targeted Value I	36	10	12	11	11	10	11	12	13	12	13	8	8	167
[221]	DFA US Small Cap Value I	35	11	9	8	8	8	8	8	10	7	10	5	1	128
[222]	Invesco Small Cap Value R6	26	1	1	4	4	5	2	21	9	20	4	12	13	122
[223]	Victory Integrity Small-Cap Value R6	8	9	8	9	9	9	7	9	11	8	11	7	4	109
[224]	Nuveen Small Cap Value R6	13	12	11	7	7	4	10	1	12	2	12	1	12	104
[225]	Bridgeway Omni Tax-Managed Sm-Cp Val N	30	5	7	2	2	2	5	4	8	4	7	3	5	84
[226]	Bridgeway Omni Small-Cap Value N	31	6	6	3	3	3	4	3	6	3	5	2	3	78
[227]	Hotchkis & Wiley Small Cap Value Z	13	4	4	5	5	6	3	6	4	5	2	6	6	69
[228]	PGIM Quant Solutions Small-Cap Val R6	28	2	2	1	1	1	1	2	3	1	1	4	2	49

# EXHIBIT 9

**Exhibit 9 - American Beacon Small Cap Value Potential Alternative Funds - Metrics from December 31, 2018 to March 31, 2020**  
Source: Morningstar Direct

	[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]	[p]	[q]		
	Potential Alternative Fund		Tickers	Inception Date	Manager Tenure	Expense Ratio <sup>1</sup>		Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio	
						3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y		
	as of Q4 2018																		
(1)	Vanguard Small Cap Value Index I	VSIX	12/7/99	4.83	0.06	14.28	13.66	(18.93)	(18.93)	6.99	5.24	0.47	0.39	0.30	1.85	(0.11)	0.46		
(2)	DFA US Small Cap Value I	DFSVX	3/29/93	8.61	0.31	16.88	15.96	(22.82)	(22.82)	5.29	2.17	0.32	0.17	(2.17)	(1.43)	(0.88)	(0.54)		
(3)	DFA US Targeted Value I	DFTVX	2/23/00	8.61	0.30	16.30	15.34	(22.27)	(22.27)	5.40	2.59	0.33	0.20	(1.88)	(0.92)	(0.84)	(0.32)		
(4)	Victory Sycamore Small Company Opp R6	VSORX	12/15/15	17.78	0.85	14.43	13.96	(16.57)	(16.57)	10.08	7.01	0.66	0.51	3.14	3.48	0.71	0.98		
(5)	Undiscovered Managers Behavioral Val R6	UBVFX	4/30/13	11.92	0.85	15.01	13.78	(21.91)	(21.91)	5.21	4.99	0.34	0.37	(1.36)	1.76	(0.42)	0.26		
(6)	DFA Tax-Managed US Targeted Value	DMTVX	12/1/98	N.A.	0.44	15.54	14.68	(22.05)	(22.05)	4.83	3.03	0.31	0.23	(2.19)	(0.42)	(0.66)	(0.19)		
(7)	Delaware Small Cap Value R6	DVZRX	5/2/16	9.67	0.71	15.80	14.87	(21.38)	(21.38)	6.86	3.77	0.43	0.28	(0.21)	0.33	(0.13)	0.04		
(8)	Janus Henderson Small Cap Value N	JDSNX	5/31/12	11.04	0.57	12.42	12.03	(16.21)	(16.21)	7.54	5.48	0.56	0.45	1.47	2.32	0.03	0.39		
(9)	Allspring Special Small Cap Value R6	ESPRX	10/31/14	12.47	0.83	14.49	13.86	(20.53)	(20.53)	7.75	5.20	0.51	0.38	0.99	1.77	0.10	0.47		
(10)	MFS New Discovery Value R6	NDVFX	7/2/12	4.58	0.85	14.11	13.51	(18.56)	(18.56)	9.04	5.41	0.60	0.41	2.33	2.04	0.40	0.47		
(11)	Northern Small Cap Value	NOSEX	3/31/94	13.50	1.14	15.17	14.57	(20.23)	(20.23)	5.51	3.71	0.35	0.27	(1.46)	0.20	(0.89)	0.05		
(12)	AB Discovery Value Z	ABDZX	10/15/13	11.92	0.80	15.42	14.39	(19.67)	(19.67)	6.26	4.33	0.40	0.32	(0.64)	0.97	(0.27)	0.16		
(13)	Franklin Small Cap Value R6	FRCSX	5/1/13	8.64	0.62	13.75	14.28	(17.52)	(17.52)	8.26	3.40	0.56	0.26	1.75	0.07	0.19	(0.05)		
(14)	Victory Integrity Small-Cap Value R6	VISSX	6/1/12	17.89	0.96	16.98	15.76	(22.88)	(22.88)	4.58	2.83	0.28	0.21	(2.81)	(0.74)	(0.88)	(0.25)		
(15)	American Century Small Cap Value R6	ASVDX	7/26/13	8.21	N.A.	16.54	15.39	(22.30)	(22.30)	5.25	3.56	0.32	0.26	(1.90)	0.07	(0.50)	(0.01)		
(16)	Nuveen Small Cap Value R6	FSCWX	6/30/16	13.13	0.87	16.96	15.64	(23.60)	(23.60)	3.53	3.73	0.22	0.27	(3.80)	0.17	(1.14)	0.04		
(17)	Royce Small-Cap Total Return Instl	RTIRX	3/4/03	12.31	1.17	13.51	12.95	(16.97)	(16.97)	7.94	3.45	0.55	0.27	1.45	0.22	0.14	(0.04)		
(18)	Invesco Small Cap Value R6	SMVFX	2/7/17	14.08	0.71	20.29	18.42	(28.40)	(28.40)	1.74	0.57	0.13	0.09	(5.94)	(2.86)	(0.71)	(0.40)		
(19)	JPMorgan Small Cap Value R6	SVLUX	2/22/05	6.17	0.76	15.99	15.23	(21.00)	(21.00)	5.14	2.38	0.32	0.18	(2.07)	(1.18)	(1.23)	(0.69)		
(20)	Royce Small-Cap Special Equity Instl	RSEIX	7/25/03	12.03	1.14	13.47	13.59	(12.87)	(12.87)	8.82	2.73	0.61	0.21	2.71	(0.39)	0.21	(0.15)		
(21)	Principal Small-Cap Value R6	PSMVX	11/25/14	15.08	0.96	15.53	14.68	(21.02)	(21.02)	4.69	3.16	0.30	0.24	(2.56)	(0.32)	(1.44)	(0.18)		
(22)	Bridgeway Omni Small-Cap Value N	BOVFX	8/31/11	9.25	0.62	17.66	16.62	(24.73)	(24.73)	5.71	2.15	0.34	0.17	(1.92)	(0.47)	(0.39)	(0.07)		
(23)	William Blair Small Cap Value R6	WBVRX	7/19/21	12.38	0.79	17.17	16.02	(23.13)	(23.13)	8.54	4.95	0.50	0.34	0.91	1.28	0.33	0.44		
(24)	Royce Small-Cap Opportunity Instl	ROPIX	12/1/201	3.13	1.12	18.00	17.09	(26.57)	(26.57)	8.33	1.84	0.47	0.15	0.59	(1.73)	0.20	(0.36)		
(25)	PGIM Quant Solutions Small-Cap Val R6	TSQVX	9/25/14	5.08	0.69	17.57	16.21	(23.33)	(23.33)	5.00	2.67	0.30	0.20	(2.60)	(0.94)	(0.73)	(0.29)		
(26)	Virtus NFJ Small-Cap Value R6	ANVFX	12/19/13	10.13	0.83	15.48	14.17	(22.61)	(22.61)	3.27	0.70	0.21	0.07	(3.47)	(2.52)	(0.95)	(0.59)		
(27)	Lord Abbett Small Cap Value R6	LRSVX	6/30/15	3.67	0.88	14.67	14.22	(22.26)	(22.26)	4.49	2.85	0.30	0.22	(2.05)	(0.46)	(0.63)	(0.18)		
(28)	Diamond Hill Small Cap Y	DHSYX	12/30/11	7.42	0.85	12.28	11.34	(18.29)	(18.29)	2.73	1.94	0.19	0.17	(2.84)	(0.88)	(0.71)	(0.26)		
(29)	Bridgeway Omni Tax-Managed Sm-Cp Val N	BOVFX	10/31/14	N.A.	0.67	17.49	16.49	(24.59)	(24.59)	6.03	2.50	0.36	0.19	(1.57)	(0.11)	(0.38)	(0.30)		
(30)	Hotchkiss & Wiley Small Cap Value Z	HWZSX	9/30/19	27.79	0.87	18.75	16.96	(22.92)	(22.92)	3.27	2.25	0.20	0.18	(4.35)	(1.26)	(0.73)	(0.24)		
(31)	Heartland Value Institutional	HTVFX	5/1/08	22.38	0.89	13.50	13.91	(16.23)	(16.23)	3.65	0.31	0.25	0.04	(2.32)	(2.76)	(0.60)	(0.53)		
(32)	Hancock Small Cap Value NAV	JCSNX	12/16/08	7.53	1.01	15.63	15.01	(20.00)	(20.00)	3.77	3.35	0.24	0.25	(3.13)	(0.12)	(0.99)	(0.07)		
(33)	Goldman Sachs Small Cap Val Insights R6	GTUX	7/31/15	8.08	0.89	15.86	15.02	(20.78)	(20.78)	8.12	5.02	0.50	0.35	0.80	1.42	0.32	0.61		
(34)	Boston Partners Small Cap Value I I	BPSIX	7/19/98	18.58	1.04	15.97	14.01	(20.81)	(20.81)	4.98	2.90	0.32	0.22	(1.87)	(0.49)	(0.85)	(0.24)		
(35)	Optimism Small-Mid Cap Value Instl	OSVFX	8/1/03	7.10	1.25	13.50	13.35	(19.64)	(21.18)	2.81	(0.78)	0.19	(0.04)	(3.31)	(3.91)	(0.02)	(0.88)		
(36)	Columbia Small Cap Value I Inst3	CSVFX	7/15/09	9.79	0.85	17.61	16.38	(23.17)	(23.17)	7.66	3.90	0.44	0.27	(0.11)	0.24	0.09	0.09		
(37)	JNL PPM America Small Cap Value I	AMVFX	3/31/08	N.A.	0.68	17.82	16.75	(24.67)	(24.67)	7.14	5.16	0.41	0.34	(2.44)	1.55	(0.65)	0.29		
(38)	MoA Small Cap Value Fund	MAVFX	7/1/05	1.50	0.84	13.58	12.92	(18.45)	(18.45)	3.55	2.45	0.24	0.20	(2.79)	(0.79)	(1.07)	(0.34)		

	[a]	[b]	[c]	[d]		[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]	[p]	[q]
	Potential Alternative Fund	Tickers	Inception Date	Manager Tenure	Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
						3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
	as of Q1 2019																	
[39]	Vanguard Small Cap Value Index I	VSIX	12/7/99	4.83	0.06	14.38	14.39	(18.93)	(18.93)	10.29	7.19	0.66	0.50	0.53	1.95	(0.16)	0.45	
[40]	DFA US Small Cap Value I	DFSVX	3/29/93	8.61	0.31	17.14	16.61	(22.82)	(22.82)	8.39	4.16	0.48	0.28	(2.67)	(1.48)	(1.01)	(0.55)	
[41]	DFA US Targeted Value I	DFTVX	2/23/00	8.61	0.30	16.67	16.03	(22.27)	(22.27)	8.59	4.52	0.50	0.30	(2.24)	(0.96)	(0.95)	(0.34)	
[42]	Victory Sycamore Small Company Opp R6	VSORX	12/15/15	17.78	0.85	14.46	14.35	(16.57)	(16.57)	13.16	8.61	0.84	0.59	3.13	3.28	0.60	0.84	
[43]	Undiscovered Managers Behavioral Val R6	UBVFX	4/30/13	11.92	0.85	15.03	14.12	(21.91)	(21.91)	8.35	5.09	0.43	0.30	2.13	2.27	0.31	0.37	
[44]	DFA Tax-Managed US Targeted Value	DMTVX	12/1/98	N.A.	0.44	15.87	15.31	(22.05)	(22.05)	8.29	5.11	0.50	0.35	(2.12)	(0.24)	(1.07)	(0.16)	
[45]	Delaware Small Cap Value R6	DVZRX	5/2/16	9.67	0.71	15.84	15.60	(21.38)	(21.38)	10.22	5.83	0.61	0.39	(0.15)	0.46	(0.17)	0.06	
[46]	Janus Henderson Small Cap Value N	JDSNX	5/31/12	11.04	0.57	12.52	12.53	(16.21)	(16.21)	10.36	7.49	0.75	0.58	1.62	2.71	(0.10)	0.38	
[47]	Allspring Special Small Cap Value R6	ESPRX	10/31/14	12.47	0.83	15.04	14.54	(20.53)	(20.53)	6.06	4.67	0.49	0.36	0.19	1.32	0.13	0.30	
[48]	MFS New Discovery Value R6	NDVFX	7/2/12	4.58	0.85	14.45	14.30	(18.56)	(18.56)	12.71	8.01	0.81	0.55	2.79	2.77	0.45	0.62	
[49]	Northern Small Cap Value	NOSEX	3/31/94	13.50	1.14	15.46	15.14	(20.23)	(20.23)	8.55	5.73	0.52	0.39	(1.73)	0.31	(1.15)	0.07	
[50]	AB Discovery Value Z	ABDZX	10/15/13	11.92	0.80	15.15	14.98	(19.67)	(19.67)	8.84	6.11	0.55	0.42	(1.09)	0.92	(0.52)	0.11	
[51]	Franklin Small Cap Value R6	FRCSX	5/1/13	8.64	0.62	13.70	14.69	(17.52)	(17.52)	8.19	5.25	0.60	0.37	0.89	1.54	0.15	0.08	
[52]	Victory Integrity Small-Cap Value R6	VISSX	6/1/12	17.89	0.96	17.16	16.46	(22.88)	(22.88)	8.39	4.87	0.48	0.32	(2.58)	(0.72)	(0.78)	(0.23)	
[53]	American Century Small Cap Value R6	ASVDX	7/26/13	8.21	0.74	17.16	16.60	(22.30)	(22.30)	10.55	6.28	0.59	0.40	(0.38)	0.67	(0.07)	0.17	
[54]	Nuveen Small Cap Value R6	FSCWX	6/30/16	13.13	0.87	17.05	16.26	(23.60)	(23.60)	7.30	5.69	0.42	0.37	(3.53)	0.12	(1.07)	0.03	
[55]	Royce Small-Cap Total Return Instl	RTIRX	3/4/03	12.31	1.17	13.85	13.88	(16.97)	(16.97)	10.46	5.61	0.67	0.41	0.86	0.66	(0.21)	0.01	
[56]	Invesco Small Cap Value R6	SMVFX	2/7/17	14.08	0.71	20.71	20.08	(28.40)	(28.40)	8.19	3.36	0.42	0.22	(3.64)	(2.37)	(0.32)	(0.27)	
[57]	JPMorgan Small Cap Value R6	SVLUX	2/22/05	6.17	0.76	16.28	15.89	(21.00)	(21.00)	7.99	4.49	0.47	0.30	(2.67)	(1.04)	(1.74)	(0.62)	
[58]	Royce Small-Cap Special Equity Instl	RSEIX	7/25/03	12.03	1.14	13.41	13.79	(12.87)	(12.87)	9.51	4.41	0.65	0.32	0.91	(0.29)	(0.19)	(0.20)	
[59]	Principal Small-Cap Value R6	PSMVX	11/25/14	15.08	0.96	15.80	15.39	(21.02)	(21.02)	8.73	5.41	0.53	0.37	(0.01)	(1.71)	(0.01)	(0.07)	
[60]	Bridgeway Omni Small-Cap Value N	BOVFX	8/31/11	9.25	0.62	18.18	17.28	(24.73)	(24.73)	8.78	3.72	0.48	0.25	(2.71)	(1.97)	(0.56)	(0.49)	
[61]	William Blair Small Cap Value R6	WBVRX	7/19/21	12.38	0.79	17.67	16.60	(23.13)	(23.13)	12.24	7.42	0.67	0.47	0.71	1.66	0.40	0.61	
[62]	Royce Small-Cap Opportunity Instl	ROPIX	12/1/201	3.13	1.12	18.48	18.33	(26.57)	(26.57)	12.47	3.89	0.65	0.25	0.60	(1.89)	0.30	(0.32)	
[63]	PGIM Quant Solutions Small-Cap Val R6	TSQVX	9/25/14	5.08	0.69	18.02	17.31	(23.33)	(23.33)	11.9	4.73	0.45	0.20	1.00	(2.76)	(0.24)	(0.24)	
[64]	Virtus NEI Small-Cap Value R6	ANVFX	12/19/13	10.13	0.83	16.18	15.08	(22.61)	(22.61)	8.61	2.93	0.40	0.21	(3.57)	(2.11)	(0.98)	(0.54)	
[65]	Lord Abbett Small Cap Value R6	LRSVX	6/30/15	3.67	0.88	14.94	14.83	(22.26)	(22.26)	6.20	5.11	0.52	0.36	0.15	(0.04)	(0.58)	(0.11)	
[66]	Diamond Hill Small Cap-Y	HSVFX	12/30/11	7.42	0.85	13.99	12.26	(18.29)	(18.29)	5.81	3.46	0.40	0.27	(2.57)	(0.88)	(0.81)	(0.33)	
[67]	Bridgeway Omni Tax-Managed Sm-Cp Val N	BOVFX	8/31/11	N.A.	0.78	17.76	16.98	(24.59)	(24.59)	8.68	3.8	0.48	0.26	(1.82)	(0.48)	(0.62)	(0.22)	
[68]	Hutchings & Wiley Small Cap Value Z	HWISX	7/19/10	27.79	0.87	18.01	17.86	(22.92)	(22.92)	8.42	3.13	0.46	0.27	(2.97)	(1.49)	(0.49)	(0.26)	
[69]	Heartland Value Institutional	HTNVX	5/1/08	22.38	0.89	13.90	14.72	(16.23)	(16.23)	9.51	2.10	0.36	0.16	0.51	(2.70)	(0.23)	(0.57)	
[70]	Hancock Small Cap Value NAV	JCSNX	12/16/08	7.53	1.01	15.88	15.62	(20.00)	(20.00)	6.03	5.19	0.36	0.35	(4.17)	(0.19)	(1.42)	(0.11)	
[71]	Goldman Sachs Small Cap Val Insights R6	GSCLX	7/31/18	8.08	0.57	15.84	15.71	(20.78)	(20.78)	8.47	5.65	0.57	0.15	0.68	0.15	0.68	0.15	
[72]	Boston Partners Small Cap Value II I	BPSIX	7/1/98	18.58	1.04	15.38	14.78	(20.81)	(20.81)	8.29	4.93	0.44	0.34	(1.85)	(0.31)	(0.89)	(0.22)	
[73]	Optimum Small-Mid Cap Value Instl	OSVFX	8/1/03	7.10	1.25	13.38	14.06	(19.64)	(19.64)	21.8	1.30	0.51	0.10	2.30	(3.49)	(0.84)	(0.85)	
[74]	Columbia Small Cap Value Insts I	CSVFX	7/15/09	9.79	0.85	17.80	17.23	(23.17)	(23.17)	10.91	5.88	0.60	0.37	(0.62)	0.09	0.02	0.08	
[75]	IN.PPM America Small Cap Value Instl	AMVFX	12/31/08	5.01	0.81	17.72	17.81	(24.67)	(24.67)	8.46	2.39	0.34	0.20	2.31	(0.33)	(0.47)	(0.33)	
[76]	Mo&S Small Cap Value Fund	MAVFX	7/10/05	1.50	0.84	13.87	13.58	(18.45)	(18.45)	6.81	4.30	0.45	0.32	(2.49)	(0.64)	(1.16)	(0.37)	

	[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]	[p]	[q]	
	Potential Alternative Fund	Tickers	Inception Date	Manager Tenure	Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
						3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
	as of Q3 2019																	
[115]	Vanguard Small Cap Value Index I	VSIX	12/7/99	4.83	0.06	16.12	14.84	(18.93)	(18.93)	7.35	7.62	0.42	0.50	1.16	0.93	0.24	0.13	
[116]	DFA US Small Cap Value I	DFSVX	3/29/93	8.61	0.31	19.93	17.60	(22.82)	(22.82)	4.24	4.43	0.23	0.28	(2.49)	(2.92)	(0.69)	(0.86)	
[117]	DFA US Targeted Value I	DFTVX	7/23/00	8.61	0.30	19.25	17.14	(22.27)	(22.27)	5.42	5.10	0.28	0.32	(1.26)	(1.20)	(0.37)	(0.59)	
[118]	Victory Sycamore Small Company Opp R6	VSORX	12/15/15	17.78	0.85	16.01	14.53	(16.57)	(16.57)	11.62	11.35	0.67	0.74	5.13	4.48	1.28	1.11	
[119]	Undiscovered Managers Behavioral Val R6	UBVFX	4/30/13	11.92	0.85	18.63	16.49	(21.91)	(21.91)	6.20	7.66	0.33	0.47	(0.18)	0.76	(0.06)	0.09	
[120]	DFA Tax-Managed US Targeted Value	DMTVX	12/11/98	N.A.	0.44	18.45	16.38	(22.05)	(22.05)	5.97	5.77	0.32	0.36	(0.59)	(1.25)	(0.20)	(0.43)	
[121]	Delaware Small Cap Value R6	DVZRX	5/21/16	9.67	0.71	17.91	15.39	(21.38)	(21.38)	7.62	7.03	0.41	0.43	1.14	0.82	0.38	(0.03)	
[122]	Janus Henderson Small Cap Value N	JDSNX	5/31/12	11.04	0.57	13.91	12.94	(16.21)	(16.21)	8.55	8.96	0.54	0.65	2.77	2.81	0.38	0.37	
[123]	Allspring Special Small Cap Value R6	ESPRX	10/31/14	12.47	0.83	16.21	14.60	(20.53)	(20.53)	8.36	9.06	0.48	0.59	2.10	2.31	0.49	0.55	
[124]	MFS New Discovery Value R6	NDVVX	7/21/12	4.58	0.85	15.92	14.56	(18.56)	(18.56)	11.37	10.69	0.69	0.96	4.96	3.80	1.14	0.85	
[125]	Northern Small Cap Value	NOSGX	3/31/94	13.50	1.14	17.12	15.47	(20.23)	(20.23)	6.10	7.30	0.34	0.47	0.29	0.35	(0.25)	0.06	
[126]	AB Discovery Value Z	ABSZX	10/15/13	11.92	0.80	16.65	15.39	(19.67)	(19.67)	6.17	6.60	0.34	0.43	(0.02)	(0.06)	(0.10)	(0.13)	
[127]	Franklin Small Cap Value R6	FRCSX	5/11/13	8.64	0.62	15.69	14.92	(17.52)	(17.52)	7.67	7.95	0.45	0.52	1.62	1.35	0.25	0.17	
[128]	Victory Integrity Small-Cap Value R6	VIISX	6/11/12	17.89	0.96	18.93	16.89	(22.88)	(22.88)	6.11	5.78	0.52	0.36	(0.53)	(1.41)	(0.13)	(0.44)	
[129]	American Century Small Cap Value R6	ASVDX	7/26/13	8.21	0.74	18.60	17.07	(22.30)	(22.30)	9.22	9.18	0.48	0.54	2.54	1.84	0.59	0.46	
[130]	Nuveen Small Cap Value R6	FSCWX	6/30/16	13.13	0.87	15.02	17.11	(23.60)	(23.60)	2.94	6.73	0.16	0.41	(3.58)	(0.53)	(1.06)	(0.12)	
[131]	Royce Small-Cap Total Return Instl	RTRIX	3/4/03	12.31	1.17	19.37	14.01	(16.97)	(16.97)	8.09	7.33	0.48	0.50	2.02	0.94	0.37	0.04	
[132]	Invesco Small Cap Value R6	SMVXX	7/27/17	14.08	0.71	23.05	21.42	(28.40)	(28.40)	6.19	4.19	0.30	0.25	(0.77)	(3.56)	(0.04)	(0.34)	
[133]	JPMorgan Small Cap Value R6	SVLUX	12/22/05	6.17	0.76	17.81	16.10	(21.00)	(21.00)	3.99	5.72	0.22	0.36	(2.42)	(1.33)	(1.42)	(0.78)	
[134]	Royce Small-Cap Special Equity Instl	RSEIX	7/25/03	12.03	1.14	14.97	14.05	(12.87)	(12.87)	5.61	5.15	0.33	0.35	0.07	(0.83)	(0.13)	(0.33)	
[135]	Principal Small-Cap Value II R6	PSMVX	11/25/14	15.08	0.96	17.38	15.78	(21.02)	(21.02)	5.98	6.66	0.33	0.42	(0.43)	(0.30)	(0.27)	(0.20)	
[136]	Bridgeway Omni Small-Cap Value N	BOVFX	8/31/11	9.25	0.62	20.48	18.09	(25.70)	(25.70)	2.57	3.92	0.15	0.24	(4.18)	(3.50)	(0.93)	(0.78)	
[137]	William Blair Small Cap Value R6	WBVRX	7/19/21	12.38	N.A.	19.52	17.08	(23.13)	(23.13)	9.84	9.89	0.47	0.58	2.84	2.28	0.96	0.85	
[138]	Royce Small-Cap Opportunity Instl	ROPIX	12/12/01	3.13	1.12	20.77	18.99	(26.57)	(26.57)	3.31	6.41	0.41	0.37	1.34	(1.19)	0.32	(0.14)	
[139]	PGIM Quant Solutions Small-Cap Val R6	TSVOX	9/25/14	5.08	0.69	20.40	18.37	(23.33)	(23.33)	8.92	4.96	0.21	0.30	(8.85)	(2.58)	(0.61)	(0.55)	
[140]	Virtus NFJ Small-Cap Value R6	ANFVX	12/19/13	10.13	0.83	17.40	15.58	(22.61)	(22.61)	5.44	3.84	0.30	0.25	(0.79)	(2.70)	(0.42)	(0.71)	
[141]	Lord Abbett Small Cap Value R6	LRSVX	6/30/15	3.67	0.88	17.13	15.40	(22.26)	(22.26)	5.03	6.43	0.28	0.42	(1.09)	(0.23)	(0.32)	(0.17)	
[142]	Diamond Hill Small Cap Y	DHSYX	12/30/11	7.42	0.85	14.89	12.99	(18.29)	(18.29)	4.83	3.99	0.28	0.29	(0.76)	(1.68)	(0.28)	(0.52)	
[143]	Bridgeway Omni Tax-Managed Sm-Cp Val N	HTWSZX	12/31/10	N.A.	0.67	20.02	17.86	(25.42)	(25.42)	2.78	4.42	0.15	0.27	(3.89)	(2.92)	(0.93)	(0.68)	
[144]	Hotchkiss & Wiley Small Cap Value Z	HTVFX	9/30/19	27.79	0.87	18.53	18.83	(22.92)	(22.92)	3.36	3.27	0.19	0.22	0.19	(1.71)	(3.24)	(0.47)	0.71
[145]	Heartland Value Institutional	HTNVX	5/1/08	22.38	0.89	14.30	14.37	(16.23)	(16.23)	4.93	6.38	0.27	0.41	0.32	(0.24)	(0.05)	(0.16)	
[146]	Hancock Small Cap Value NAV	JSCNX	12/16/08	7.53	1.01	17.42	15.97	(20.00)	(20.00)	3.99	7.67	0.35	0.48	0.02	0.68	(0.05)	0.14	
[147]	Goldman Sachs Small Cp Val Insights R6	GTUX	7/31/15	8.08	0.89	17.41	15.90	(20.78)	(20.78)	7.72	8.85	0.42	0.55	1.20	1.69	0.52	0.72	
[148]	Boston Partners Small Cap Value II I	BPSIX	7/19/98	18.58	1.04	16.91	15.34	(20.81)	(20.81)	5.00	6.22	0.32	0.36	0.44	0.28	0.11	0.01	
[149]	Optimum Small-Mid Cap Value Instl	OSVFX	8/1/03	7.10	1.25	15.57	14.62	(19.64)	(19.64)	20.29	5.48	2.88	0.32	0.20	(0.38)	(3.32)	(0.21)	(0.85)
[150]	Columbia Small Cap Value I Inst3	CSVYX	7/15/09	9.79	0.85	19.83	18.05	(23.17)	(23.17)	5.90	6.66	0.30	0.39	(0.93)	(0.89)	(0.20)	(0.14)	
[151]	JNLPPM America Small Cap Value I	AMVXX	3/31/08	N.A.	0.68	21.91	19.35	(24.67)	(24.67)	4.01	7.64	0.30	0.42	(0.96)	(0.07)	(0.09)	0.08	
[152]	MoA Small Cap Value Fund	MAVXX	7/1/05	1.50	0.84	15.18	13.91	(18.45)	(18.45)	6.30	5.23	0.25	0.36	(1.58)	(1.99)	(0.63)	(0.57)	

	[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]	[p]	[q]
Potential Alternative Fund	Tickers	Inception Date	Manager Tenure	Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
					3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q4 2019																	
[153]	Vanguard Small Cap Value Index I	VSIX	12/7/99	4.83	0.06	15.00	14.77	(18.93)	(18.93)	6.42	7.47	0.38	0.49	1.73	0.90	0.59	0.15
[154]	DFA US Small Cap Value I	DFSVX	3/29/93	8.61	0.31	19.93	17.60	(22.82)	(22.82)	2.44	7.10	0.13	0.30	(2.49)	(2.92)	(0.69)	(0.86)
[155]	DFA US Targeted Value I	DFTVX	7/23/05	8.61	0.30	17.64	17.20	(22.27)	(22.27)	3.89	6.04	0.21	0.36	(0.97)	(1.15)	(0.30)	(0.31)
[156]	Victory Sycamore Small Company Opp R6	VSORX	12/15/15	17.78	0.85	14.36	14.33	(16.57)	(16.57)	9.25	10.92	0.57	0.72	4.49	4.23	1.13	1.05
[157]	Undiscovered Managers Behavioral Val R6	UBVFX	4/30/13	11.92	0.85	18.18	16.55	(21.91)	(21.91)	5.90	8.26	0.31	0.50	0.99	1.39	0.25	0.24
[158]	DFA Tax-Managed US Targeted Value	DMTVX	12/11/98	N.A.	0.44	16.96	14.49	(22.05)	(22.05)	4.34	6.34	0.42	0.49	(0.59)	(1.25)	(0.20)	(0.43)
[159]	Delaware Small Cap Value R6	DVZRX	5/21/16	9.67	0.71	16.71	16.45	(21.38)	(21.38)	6.95	7.94	0.33	0.48	1.25	0.92	0.35	0.26
[160]	Janus Henderson Small Cap Value N	JDSNX	5/31/12	11.04	0.57	12.93	12.88	(16.21)	(16.21)	7.46	8.92	0.49	0.64	3.01	2.86	0.59	0.42
[161]	Allspring Special Small Cap Value R6	ESPRX	10/31/14	12.47	0.83	15.14	14.64	(20.53)	(20.53)	7.51	9.05	0.44	0.59	2.77	2.41	0.81	0.60
[162]	MFS New Discovery Value R6	NDVVX	7/21/12	4.58	0.85	15.92	14.56	(18.56)	(18.56)	11.05	11.05	0.66	0.72	4.96	3.80	1.14	0.85
[163]	Northern Small Cap Value	NOSGX	3/31/94	13.50	1.14	15.46	15.14	(20.23)	(20.23)	3.95	6.50	0.22	0.42	(0.72)	(0.21)	(0.45)	(0.24)
[164]	AB Discovery Value Z	ABSZX	10/15/13	11.92	0.80	15.33	15.38	(19.67)	(19.67)	4.93	6.38	0.28	0.41	0.32	(0.24)	(0.05)	(0.16)
[165]	Franklin Small Cap Value R6	FRCSX	5/11/13	8.64	0.62	14.85	14.84	(17.52)	(17.52)	7.25	8.28	0.43	0.54	2.58	1.76	0.66	0.29
[166]	Victory Integrity Small-Cap Value R6	VIISX	6/11/12	17.89	0.96	16.91	16.84	(22.88)	(22.88)	4.23	5.68	0.23	0.44	(0.54)	(1.38)	(0.17)	(0.42)
[167]	American Century Small Cap Value R6	ASVDX	7/26/13	8.21	0.74	17.46	16.99	(22.30)	(22.30)	7.22	8.78	0.39	0.52	2.30	1.61	0.55	0.41
[168]	Nuveen Small Cap Value R6	FSCWX	6/30/16	13.13	0.87	17.03	16.94	(23.60)	(23.60)	0.21	6.07	(0.03)	0.37	(4.91)	(0.99)	(1.47)	(0.25)
[169]	Royce Small-Cap Total Return Instl	RTRIX	3/4/03	12.31	1.17	14.10	13.93	(16.97)	(16.97)	7.21	7.61	0.44	0.52	1.61	1.30	0.64	0.16
[170]	Invesco Small Cap Value R6	SMVXX	7/25/03	14.08	0.71	21.85	21.51	(28.40)	(28.40)	5.68	4.94	0.28	0.28	0.67	(2.83)	0.11	(0.25)
[171]	JPMorgan Small Cap Value R6	SVLUX	12/22/05	6.17	0.76	15.75	15.90	(21.00)	(21.00)	2.08	5.16	0.10	0.33	(2.56)	(1.70)	(1.53)	(1.03)
[172]	Royce Small-Cap Special Equity Instl	RSEIX	7/25/03	12.03	1.14	13.36	13.81	(12.87)	(12.87)	3.13	4.96	0.17	0.34	(0.93)	(0.87)	(0.24)	(0.33)
[173]	Principal Small-Cap Value II R6	PSMVX	11/25/14	15.08	0.96	15.67	16.69	(21.02)	(21.02)	4.11	6.30	0.29	0.40	(2.57)	0.52	(0.31)	(0.29)
[174]	Bridgeway Omni Small-Cap Value N	BOVFX	8/31/11	9.25	0.62	18.48	18.09	(25.70)	(25.70)	0.01	4.67	0.00	0.28	(4.81)	(2.65)	(1.15)	(0.59)
[175]	William Blair Small Cap Value R6	WBVRX	7/19/21	12.38	N.A.	17.64	16.85	(23.13)	(23.13)	7.09	9.32	0.38	0.55	2.11	2.03	0.65	0.73
[176]	Royce Small-Cap Opportunity Instl	ROPIX	12/12/01	3.13	1.12	19.09	19.04	(26.57)	(26.57)	7.89	7.14	0.40	0.40	2.80	(0.43)	0.58	0.03
[177]	PGIM Quant Solutions Small-Cap Val R6	TSVOX	9/25/14	5.08	0.69	18.65	18.36	(23.33)	(23.33)	0.35	5.10	0.05	0.30	(3.90)	(2.33)	(0.91)	(0.48)
[178]	Virtus NEF Small Cap Value R6	NHFXV	12/19/13	10.13	0.83	16.50	15.99	(22.61)	(22.61)	3.64	4.84	0.20	0.31	(0.98)	(1.70)	(0.26)	(0.50)
[179]	Lord Abbett Small Cap Value R6	LABVX	6/30/15	3.67	1.06	16.06	15.26	(22.16)	(22.16)	6.30	6.41	0.31	0.39	(0.11)	(0.48)	(0.18)	(0.48)
[180]	Diamond Hill Small Cap Y	DNYSX	12/30/11	7.42	0.85	14.40	13.07	(18.29)	(18.29)	2.89	5.01	0.28	0.36	0.46	(0.68)	0.02	(0.34)
[181]	Bridgeway Omni Tax-Managed Snp-Cap Val N	INTSX	12/31/10	N.A.	0.67	18.59	17.79	(25.42)	(25.42)	4.04	5.19	0.02	0.31	(4.38)	(2.07)	(1.09)	(0.46)
[182]	HedgeWise & Wiley Small Cap Value Z	HWSSX	9/30/19	27.79	0.87	18.53	18.83	(22.92)	(22.92)	3.36	3.86	0.18	0.24	(1.44)	(3.46)	(0.28)	(0.57)
[183]	Lord Value Institutions Small Cap Value R6	INTVX	5/10/19	22.38	1.28	18.89	19.43	(16.37)	(16.37)	4.13	4.13	0.22	0.22	(0.12)	(2.70)	(0.13)	(0.41)
[184]	Hanaco Small Cap Value NAV	HCNXX	12/16/08	7.53	1.01	15.70	15.70	(20.00)	(20.00)	5.00	6.99	0.28	0.44	0.32	0.22	0.08	0.00
[185]	Goldman Sachs Small Cap Val Insights R6	GTUUX	7/31/15	8.08	0.89	15.48	15.62	(20.78)	(20.78)	5.87	8.25	0.34	0.52	1.13	1.33	0.45	0.52
[186]	Putnam Partners Small Cap Value II I	BPSIX	7/19/08	18.58	1.04	15.58	15.35	(20.81)	(20.81)	5.56	7.22	0.31	0.46	0.86	0.49	0.23	0.07
[187]	Optimum Small-Md Cap Value Instl	OSVXX	8/15/16	7.15	0.67	14.92	14.67	(19.64)	(19.64)	2.29	3.26	0.26	0.33	0.65	(2.34)	(0.05)	(0.66)
[188]	Columbia Small Cap Value I Hsch	CSVXX	7/15/09	9.79	0.85	18.05	17.94	(23.17)	(23.17)	4.44	4.72	0.24	0.46	(0.45)	(0.16)	0.09	(0.10)
[189]	JNLPM America Small Cap Value I	N.A.	3/31/08	N.A.	0.68	20.62	19.37	(24.67)	(24.67)	4.81	8.21	0.25	0.45	(0.22)	0.53	0.01	0.21
[190]	Moaz Small Cap Value Fund	MAVXX	7/10/05	1.50	0.84	13.91	13.73	(18.45)	(18.45)	3.28	5.02	0.18	0.34	(1.16)	(1.15)	(0.50)	(0.58)

# EXHIBIT 10

**Exhibit 10 - DFA International Small Cap Value Fund Morningstar Peers List**

Source: Morningstar Direct

<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[1]	Adalta International	12/8/93
[2]	Advisory Research Intl All Cap Val	5/2/11
[3]	Allianz OCC International Equity Instl	7/5/06
[4] AOIPX	Allianz OCC International Equity P	7/7/08
[5]	AllianzGI NFJ Intl Small-Cap Value A	6/1/12
[6] AJVAX.lw	AllianzGI NFJ Intl Small-Cap Value A LW	6/1/12
[7]	AllianzGI NFJ Intl Small-Cap Value C	6/1/12
[8]	AllianzGI NFJ Intl Small-Cap Value D	6/1/12
[9]	AllianzGI NFJ Intl Small-Cap Value Instl	6/1/12
[10]	AllianzGI NFJ Intl Small-Cap Value P	6/1/12
[11]	AllianzGI NFJ Intl Small-Cap Value R6	9/8/15
[12]	AllianzGI NFJ Intl Small-Cap Value T	2/1/17
[13] YASSX	AMG Yacktman Special Opportunities I	6/30/15
[14] YASLX	AMG Yacktman Special Opportunities Z	6/30/14
[15] AVANX	Avantis® International Small Cap Val G	1/20/21
[16] AVDVX	Avantis® International Small Cap Val Ins	12/4/19
[17]	AXA Rosenberg Intl Small Cap A	10/1/01
[18]	AXA Rosenberg Intl Small Cap A LW	10/1/01
[19]	AXA Rosenberg Intl Small Cap B	10/1/01
[20]	Barr Rosenberg Intl Small Cap Adv	7/8/97
[21] BISAX.lw	Brandes International Small Cap Equ A LW	1/31/12
[22] BISAX	Brandes International Small Cap Equity A	1/31/12
[23] BINCX	Brandes International Small Cap Equity C	1/31/13
[24] BISMX	Brandes International Small Cap Equity I	2/1/12
[25] BISRX	Brandes International Small Cap EquityR6	6/27/16
[26] CIISX	Causeway International Small Cap Instl	10/20/14
[27] CVISX	Causeway International Small Cap Inv	10/20/14
[28]	ClearBridge International Sm Cap A	10/1/10
[29] LCOAX.lw	ClearBridge International Sm Cap A LW	10/1/10
[30]	ClearBridge International Sm Cap A2	8/1/14
[31] LCRNX.lw	ClearBridge International Sm Cap A2 LW	8/1/14
[32]	ClearBridge International Sm Cap C	10/1/10
[33]	ClearBridge International Sm Cap I	10/1/10
[34]	ClearBridge International Sm Cap IS	5/1/15
[35]	Conductor Global Equity Value A	4/15/14
[36] RAALX.lw	Conductor Global Equity Value A LW	4/15/14
[37]	Conductor Global Equity Value C	9/17/15
[38]	Conductor Global Equity Value I	12/27/13
[39]	Conductor Global Equity Value Y	4/19/16
[40]	Delaware Pooled Intl Small-Cap	7/20/99
[41] DISVX	DFA International Small Cap Value I	12/29/94
[42] DFBVQX	DFA International Vector Equity I	8/14/08
[43] DWUSX	DFA World ex US Targeted Val Instl	11/1/12
[44] DSMAX	Dreyfus International Sm-Cp A	2/3/03
[45] DSMAX.lw	Dreyfus International Sm-Cp A LW	2/3/03
[46] DSMBX	Dreyfus International Sm-Cp B	2/3/03
[47] DSMCX	Dreyfus International Sm-Cp C	2/3/03
[48] DSMRX	Dreyfus International Sm-Cp I	2/3/03
[49] DSMTX	Dreyfus International Sm-Cp T	2/3/03
[50] FPSAX	Dreyfus Passport A	12/31/99



	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[51]	FPSAX.lw	Dreyfus Passport A Load Waived	12/31/99
[52]	FPSBX	Dreyfus Passport B	12/31/99
[53]	FPSCX	Dreyfus Passport C	12/31/99
[54]	FPSSX	Dreyfus Passport F	11/16/93
[55]	FPSRX	Dreyfus Passport I	12/31/99
[56]	FPSTX	Dreyfus Passport T	12/31/99
[57]	SDISX	Dreyfus/The Boston Co Intl Sm Cp	1/31/00
[58]	FNAAX	Formula Investing Intl Val Sel A	12/17/10
[59]	FNAAX.lw	Formula Investing Intl Val Sel A LW	12/17/10
[60]	FNAIX	Formula Investing Intl Val Sel I	6/30/11
[61]		Franklin Intl Small Cap A	5/15/08
[62]		Franklin Intl Small Cap Adv	10/15/02
[63]		Franklin Intl Small Cap C	5/15/08
[64]	FINAX.lw	Franklin Intl Small Cap Growth A LW	5/15/08
[65]		Franklin Intl Small Cap R	5/15/08
[66]		Franklin Intl Small Cap R6	5/1/13
[67]	FMNEX	Free Market International Eq Instl	12/31/07
[68]		GMO International Small Companies III	10/14/91
[69]		Hallmark International Small Cap I	8/1/00
[70]	HISRX	Hallmark International Small Cap R	8/1/00
[71]	HRISX	Harbor International Small Cap Admin	2/1/16
[72]	HAISX	Harbor International Small Cap Instl	2/1/16
[73]	HIISX	Harbor International Small Cap Investor	2/1/16
[74]	HNISX	Harbor International Small Cap Retire	2/1/16
[75]	HNSIX	Hartford Intl Small Company HLS IA	4/30/01
[76]	HBISX	Hartford Intl Small Company HLS IB	4/30/01
[77]		Heartland International Value	10/1/10
[78]		Heartland International Value Instl	5/1/17
[79]	HWTIX	Hotchkis & Wiley Intl Sm Cp Dvsfd Val I	6/30/20
[80]	IADSX.lw	ING Disciplined International Small A LW	12/20/06
[81]	IADSX	ING Disciplined International SmallCap A	12/20/06
[82]	IBDSX	ING Disciplined International SmallCap B	12/20/06
[83]	ICDSX	ING Disciplined International SmallCap C	12/20/06
[84]	IIDSX	ING Disciplined International SmallCap I	12/20/06
[85]		Intrepid International Investor	12/30/14
[86]		Ivy International Small Companies A	1/2/97
[87]		Ivy International Small Companies A LW	1/2/97
[88]		Ivy International Small Companies Adv	7/1/99
[89]		Ivy International Small Companies B	1/2/97
[90]		Ivy International Small Companies C	1/2/97
[91]		Ivy International Small Companies I	1/2/97
[92]		JHFunds2 International Small Cap I	10/14/05
[93]		JHFunds2 International Small Cap NAV	10/14/05
[94]		JHT International Small Cap Tr Ser NAV	2/28/05
[95]		JHT International Small Cap Tr Series I	3/4/96
[96]		JHT International Small Cap Tr Series II	1/28/02
[97]		JHTrust Intl Small Cap Trust Series III	9/5/03
[98]	KISVX.lw	Keeley International Small Cap Valu A LW	12/31/14
[99]	KISVX	Keeley International Small Cap Value A	12/31/14
[100]	KISIX	Keeley International Small Cap Value I	12/31/14
[101]	KGXAX	Kopernik Global All-Cap A	11/1/13
[102]	KGXAX.lw	Kopernik Global All-Cap A Load Waived	11/1/13
[103]	KGXIX	Kopernik Global All-Cap I	11/1/13
[104]	LIDIX	Laudus Rosenberg Intl Discovery Inv	5/31/06

	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[105]	LIDSX	Laudus Rosenberg Intl Discovery Sel	5/31/06
[106]		Laudus Rosenberg Intl Small Cap Inv	10/29/96
[107]		Laudus Rosenberg Intl Small Cap Sel	9/23/96
[108]	MOWIX	Moerus Worldwide Value Institutional	5/31/16
[109]	MOWNX	Moerus Worldwide Value N	5/31/16
[110]	ISMAX	Morgan Stanley Intl Small Cap A	7/28/97
[111]	ISMAX.lw	Morgan Stanley Intl Small Cap A LW	7/28/97
[112]	ISMBX	Morgan Stanley Intl Small Cap B	7/29/94
[113]	ISMCX	Morgan Stanley Intl Small Cap C	7/28/97
[114]		Morgan Stanley Intl Small Cap I	7/28/97
[115]	OAYEX	Oakmark International Small Cap Advisor	11/30/16
[116]	OANEX	Oakmark International Small Cap Instl	11/30/16
[117]	OAKEX	Oakmark International Small Cap Investor	11/1/95
[118]	OAZEX	Oakmark International Small Cap R6	12/15/20
[119]		Oakmark International Small Cap Service	1/8/01
[120]	QUSIX	Pear Tree Polaris Fgn Val Sm Cap Instl	5/1/08
[121]	QUSOX	Pear Tree Polaris Fgn Val Sm Cap Ord	5/1/08
[122]	QUSRX	Pear Tree Polaris Fgn Val Sm Cap R6	2/6/17
[123]		Phaeacian Accent Intel Val Ins{mg}	10/16/20
[124]	PZIIX	Pzena International Small Cap Value Ins	7/2/18
[125]	PZVIX	Pzena International Small Cap Value Inv	7/2/18
[126]		RiverSource Partners Intl Small Cap A	10/3/02
[127]		RiverSource Partners Intl Small Cap A LW	10/3/02
[128]	APNBX	RiverSource Partners Intl Small Cap B	10/3/02
[129]	RISLX	RiverSource Partners Intl Small Cap C	10/3/02
[130]	RPSCX	RiverSource Partners Intl Small Cap I	3/4/04
[131]	RPSRX	RiverSource Partners Intl Small Cap R	3/15/10
[132]		RiverSource Partners Intl Small Cap R4	10/3/02
[133]	RPSSX	RiverSource Partners Intl Small Cap R5	3/15/10
[134]	SFIVX	Schwab Fdmtl Intl Sm Mid Co Idx Inv	1/31/08
[135]	SFSMX	Schwab Fdmtl Intl Sm Mid Co Idx Sel	1/31/08
[136]	SFILX	Schwab Fundamental Intl Sm Eq Idx	1/31/08
[137]	SBHSX.lw	Segall Bryant & Hamill Intl Sm Cp A LW	6/30/14
[138]	SBSIX	Segall Bryant & Hamill Intl Sm Cp Ins	5/31/11
[139]	SBHSX	Segall Bryant & Hamill Intl Sm Cp Ret	6/30/14
[140]		Templeton Foreign Smaller Companies A	9/20/91
[141]	FINEX.lw	Templeton Foreign Smaller Companies A LW	9/20/91
[142]		Templeton Foreign Smaller Companies Adv	12/31/96
[143]		Templeton Foreign Smaller Companies B	1/4/99
[144]		Templeton Foreign Smaller Companies C	7/1/98
[145]		Templeton Foreign Smaller Companies R6	5/1/13
[146]		Third Avenue International Value Instl	12/31/01
[147]		Third Avenue International Value Inv	12/31/09
[148]		Touchstone International Value A {mg}	9/5/12
[149]		Touchstone International Value C {mg}	9/5/12
[150]		Touchstone International Value Y {mg}	9/5/12

# EXHIBIT 11

**Exhibit 11 - DFA International Small Cap Value Fund Potential Alternative Funds**

Source: Morningstar Direct

	<b>Ticker</b>	<b>Fund Name</b>	<b>Inception Date</b>
[1]	DFVQX	DFA International Vector Equity I	8/14/08
[2]	DWUSX	DFA World ex US Targeted Val Instl	11/1/12
[3]	FMNEX	Free Market International Eq Instl	12/31/07
[4]	KGGIX	Kopernik Global All-Cap I	11/1/13
[5]	OAZEX	Oakmark International Small Cap R6	12/15/20
[6]	QUSRX	Pear Tree Polaris Fgn Val Sm Cap R6	2/6/17
[7]	SFILX	Schwab Fundamental Intl Sm Eq Idx	1/31/08

# EXHIBIT 12

**Exhibit 12 - DFA International Small Cap Value I Potential Alternative Funds - Metrics from December 31, 2018 to March 31, 2020**

Source: Morningstar Direct

	[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]	[p]	[q]
Potential Alternative Fund	Tickers	Inception Date	Manager Tenure	Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
					3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q4 2018																	
[1] DFA International Vector Equity I	DFVOX	8/14/08	9.06	0.34	12.34	12.08	(22.85)	(22.85)	4.73	0.91	0.27	0.08	(0.91)	(0.39)	(0.35)	(0.14)	
[2] DFA World ex US Targeted Val Instl	DWUSX	11/1/12	8.17	0.48	13.35	12.87	(24.44)	(24.44)	3.93	1.55	0.34	0.13	(0.08)	0.23	0.03	0.08	
[3] Free Market International Eq Instl	FMNEX	12/31/07	10.75	0.85	12.85	12.39	(23.67)	(23.67)	5.52	0.35	0.25	0.03	(1.25)	(0.96)	(0.52)	(0.40)	
[4] Kopernik Global All-Cap I	KGIX	11/1/13	6.33	1.04	17.12	18.51	(14.44)	(38.58)	13.77	0.81	0.77	0.10	9.89	0.37	0.61	(0.04)	
[5] Oakmark International Small Cap R6	OAZEX	12/15/20	16.50	1.07	14.50	13.50	(27.34)	(27.34)	0.73	(1.01)	0.05	(0.06)	(4.11)	(2.23)	(0.76)	(0.48)	
[6] Pear Tree Polaris Fgn Val Sm Cap R6	QUSRX	2/6/17	12.77	1.12	12.47	11.43	(22.10)	(22.10)	3.64	3.27	0.26	0.28	(0.82)	2.01	(0.24)	0.37	
[7] Schwab Fundamental Intl Sm Eq Idx	SFILX	1/31/08	3.08	0.39	11.66	11.12	(21.96)	(21.96)	4.67	2.82	0.35	0.24	0.19	1.51	(0.05)	0.40	
	[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]	[p]	[q]
Potential Alternative Fund	Tickers	Inception Date	Manager Tenure	Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
					3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q1 2019																	
[8] DFA International Vector Equity I	DFVOX	8/14/08	9.06	0.34	11.64	12.27	(22.85)	(22.85)	7.20	2.13	0.54	0.17	(0.08)	(0.37)	(0.04)	(0.15)	
[9] DFA World ex US Targeted Val Instl	DWUSX	11/1/12	8.17	0.48	12.09	13.03	(24.44)	(24.44)	7.08	2.34	0.52	0.18	(0.48)	(0.27)	(0.10)	(0.11)	
[10] Free Market International Eq Instl	FMNEX	12/31/07	10.75	0.85	11.66	12.54	(23.67)	(23.67)	6.59	1.37	0.49	0.11	(0.74)	(1.17)	(0.32)	(0.50)	
[11] Kopernik Global All-Cap I	KGIX	11/1/13	6.33	1.04	15.17	18.68	(14.44)	(38.58)	10.73	1.25	0.66	0.11	5.86	(0.45)	0.24	(0.10)	
[12] Oakmark International Small Cap R6	OAZEX	12/15/20	16.50	1.07	13.51	14.15	(27.34)	(27.34)	5.32	0.98	0.35	0.08	(2.24)	(1.53)	(0.36)	(0.31)	
[13] Pear Tree Polaris Fgn Val Sm Cap R6	QUSRX	2/6/17	12.77	1.12	11.58	11.59	(22.10)	(22.10)	7.53	3.38	0.57	0.28	0.64	1.01	0.04	0.16	
[14] Schwab Fundamental Intl Sm Eq Idx	SFILX	1/31/08	3.08	0.39	11.09	11.34	(21.96)	(21.96)	7.38	4.21	0.58	0.35	0.43	1.75	0.02	0.44	
	[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]	[p]	[q]
Potential Alternative Fund	Tickers	Inception Date	Manager Tenure	Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
					3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q2 2019																	
[15] DFA International Vector Equity I	DFVOX	8/14/08	9.06	0.34	12.54	12.99	(22.85)	(22.85)	8.27	1.82	0.58	0.13	(0.23)	0.11	0.01	0.02	
[16] DFA World ex US Targeted Val Instl	DWUSX	11/1/12	8.17	0.48	12.96	13.70	(24.44)	(24.44)	7.65	1.70	0.52	0.12	(1.09)	(0.04)	(0.23)	(0.03)	
[17] Free Market International Eq Instl	FMNEX	12/31/07	10.75	0.85	12.52	13.21	(23.67)	(23.67)	7.38	0.83	0.51	0.06	(1.11)	(0.89)	(0.35)	(0.35)	
[18] Kopernik Global All-Cap I	KGIX	11/1/13	6.33	1.04	11.27	18.66	(14.44)	(38.58)	5.52	1.15	0.40	0.10	0.27	0.29	(0.27)	(0.04)	
[19] Oakmark International Small Cap R6	OAZEX	12/15/20	16.50	1.07	14.75	15.19	(27.34)	(27.34)	7.77	1.44	0.48	0.11	(1.14)	(0.15)	(0.08)	(0.05)	
[20] Pear Tree Polaris Fgn Val Sm Cap R6	QUSRX	2/6/17	12.77	1.12	11.69	11.92	(22.10)	(22.10)	8.31	2.71	0.61	0.21	0.47	1.05	0.01	0.20	
[21] Schwab Fundamental Intl Sm Eq Idx	SFILX	1/31/08	3.08	0.39	11.86	11.87	(21.96)	(21.96)	7.50	3.57	0.54	0.28	(0.63)	1.83	(0.28)	0.49	
	[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]	[p]	[q]
Potential Alternative Fund	Tickers	Inception Date	Manager Tenure	Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
					3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q3 2019																	
[22] DFA International Vector Equity I	DFVOX	8/14/08	9.06	0.34	12.60	12.88	(22.85)	(22.85)	4.73	3.13	0.30	0.22	(0.01)	0.30	0.04	0.07	
[23] DFA World ex US Targeted Val Instl	DWUSX	11/1/12	8.17	0.48	12.89	13.58	(24.44)	(24.44)	3.33	2.61	0.19	0.18	(1.44)	(0.31)	(0.50)	(0.12)	
[24] Free Market International Eq Instl	FMNEX	12/31/07	10.75	0.85	12.57	13.14	(23.67)	(23.67)	3.60	1.90	0.21	0.13	(1.12)	(0.95)	(0.41)	(0.38)	
[25] Kopernik Global All-Cap I	KGIX	11/1/13	6.33	1.04	10.74	18.20	(14.44)	(31.12)	0.63	2.56	(0.04)	0.17	(2.28)	0.67	(0.38)	(0.02)	
[26] Oakmark International Small Cap R6	OAZEX	12/15/20	16.50	1.07	14.78	14.96	(27.34)	(27.34)	4.60	3.29	0.27	0.22	(0.21)	0.45	(0.01)	0.07	
[27] Pear Tree Polaris Fgn Val Sm Cap R6	QUSRX	2/6/17	12.77	1.12	11.76	11.91	(22.10)	(22.10)	4.73	3.45	0.31	0.26	0.25	0.79	0.03	0.12	
[28] Schwab Fundamental Intl Sm Eq Idx	SFILX	1/31/08	3.08	0.39	11.68	11.71	(21.96)	(21.96)	4.10	4.83	0.26	0.37	(0.44)	2.06	(0.20)	0.52	
	[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]	[p]	[q]
Potential Alternative Fund	Tickers	Inception Date	Manager Tenure	Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
					3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q4 2019																	
[29] DFA International Vector Equity I	DFVOX	8/14/08	9.06	0.34	12.79	12.99	(22.85)	(22.85)	8.08	6.17	0.54	0.44	(0.40)	0.67	(0.04)	0.17	
[30] DFA World ex US Targeted Val Instl	DWUSX	11/1/12	8.17	0.48	13.30	13.78	(24.44)	(24.44)	7.12	5.83	0.45	0.40	(1.61)	0.05	(0.42)	0.09	
[31] Free Market International Eq Instl	FMNEX	12/31/07	10.75	0.85	12.86	13.28	(23.67)	(23.67)	6.50	4.86	0.42	0.34	(1.98)	(0.72)	(0.72)	(0.29)	
[32] Kopernik Global All-Cap I	KGIX	11/1/13	6.33	1.04	10.82	17.61	(14.44)	(26.51)	2.14	7.31	0.09	0.42	(2.51)	2.90	(0.56)	0.13	
[33] Oakmark International Small Cap R6	OAZEX	12/15/20	16.50	1.07	15.06	15.20	(27.34)	(27.34)	8.25	6.32	0.49	0.41	(0.74)	0.51	0.01	0.12	
[34] Pear Tree Polaris Fgn Val Sm Cap R6	QUSRX	2/6/17	12.77	1.12	12.05	12.34	(22.10)	(22.10)	9.37	5.83	0.66	0.43	1.32	0.72	0.30	0.05	
[35] Schwab Fundamental Intl Sm Eq Idx	SFILX	1/31/08	3.08	0.39	11.85	11.84	(21.96)	(21.96)	7.92	7.58	0.56	0.58	(0.12)	2.35	(0.10)	0.53	
	[a]	[b]	[c]	[d]	[e]	[f]	[g]	[h]	[i]	[j]	[k]	[l]	[m]	[n]	[o]	[p]	[q]
Potential Alternative Fund	Tickers	Inception Date	Manager Tenure	Expense Ratio <sup>1</sup>	Standard Deviation		Max Drawdown		Annualized Total Return		Sharpe Ratio		Alpha		Information Ratio		
					3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	3Y	5Y	
as of Q1 2020																	
[36] DFA International Vector Equity I	DFVOX	8/14/08	9.06	0.34	18.15	16.23	(34.99)	(34.99)	(6.49)	(2.01)	(0.37)	(0.11)	0.59	0.63	0.22	0.25	
[37] DFA World ex US Targeted Val Instl	DWUSX	11/1/12	8.17	0.48	19.60	17.80	(41.41)	(41.41)	(9.87)	(3.24)	(0.51)	(0.16)	(2.11)	(0.07)	(1.04)	(0.15)	
[38] Free Market International Eq Instl	FMNEX	12/31/07	10.75	0.85	18.52	16.74	(38.53)	(38.53)	(8.53)	(3.51)	(0.48)	(0.20)	(1.35)	(0.72)	(0.57)	(0.26)	
[39] Kopernik Global All-Cap I	KGIX	11/1/13	6.33	1.04	11.86	17.84	(22.75)	(26.51)	(5.51)	3.26	(0.57)	0.20	(3.18)	5.38	0.13	0.42	
[40] Oakmark International Small Cap R6	OAZEX	12/15/20	16.50	1.07	23.04	20.20	(40.85)	(40.85)	(10.61)	(5.15)	(0.44)	(0.21)	(0.96)	(1.26)	(0.48)	(0.37)	
[41] Pear Tree Polaris Fgn Val Sm Cap R6	QUSRX	2/6/17	12.77	1.12	17.79	16.01	(34.71)	(34.71)	(6.40)	(2.56)	(0.38)	(0.15)	0.42	(0.04)	0.20	0.06	
[42] Schwab Fundamental Intl Sm Eq Idx	SFILX	1/31/08	3.08	0.39	16.83	14.99	(33.66)	(33.66)	(6.07)	(0.61)	(0.39)	(0.04)	0.23	1.64	0.31	0.52	

**Notes:**<sup>1</sup> The Expense Ratio figures for the potential alternative funds is the Prospectus Gross Expense Ratio as of July 2024 as provided by Morningstar Direct.